```
tcaggcaatt cagtttqqct tttttcttgg gatqqtqttq gaagtqqqtc aqcqatqcag
                                                                    3600
acagetqatt tgatgggtte cacacactgg cacqetqett ttattteete taaqatatee
                                                                    3660
tgtttaaggg ttggatgcag ccagatccac agctgcctgc tctcagaagg gtcacccggg
                                                                    3720
gtcctctggg acttccagat aaacgtaaca ggcccaagca tttctctggg atatttattc
                                                                    3780
accegataaa gcacaagget ceettggege tttecagaca agcagtgaac tgetgcaaac
                                                                    3840
gtcagccctg tgtctatgtt acacattcca gaaagcgcct ttagtatttc ttcctctttq
                                                                    3900
cctttcaact ccaaacaaca gtaataggat aaatcctgca ggaggcaccg gttcgtcatg
                                                                    3960
getegatage aggetetgtg getettgaet gttggeetet eeccaaggea gtageeccae
                                                                    4020
ttcttgacca tatgaaaccg cttggcgtgc cagatgtgag tttctaacca aatgttcttc
                                                                    4080
ttttgtctac ggttaaattc tagcgtccgg ttcatgtgac atcttcgagc tttatggcat
                                                                    4140
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                                                                    4200
tectgtaace gtetgggaag gegtttgaeg ttgtggetea tggetetteg tegeatgtge
                                                                    4260
cgtggcagag tctgaaaaac cagtgaattc gaagacttct gggtcacagc ttttaacata
                                                                    4320
gcactgattt cagcagctcg tgcttgagca aaagtagaag cagttatata cttggggatc
                                                                    4380
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                                                                    4440
gaggaagact gctcattcac ttcagggtca ggcagagaat gggggttgac tctggtttgc
                                                                    4500
cgctgtcgtg aagttccagg atgaggctct tgtttttgag cttggaaagg tttttcacct
                                                                    4560
ccactgtggt gctttacacc tctgtcagcc acaaagccag aggacagagt cacattggta
                                                                    4620
ggctggtttc tcattttctt ggcgtgtttt ctttcttttg catttgacat ttctqccaqa
                                                                    4680
cgctgtgagg aatccccggg tcagaatgac aagcctccgc gac
                                                                    4723
```

```
<210> 6831
<211> 1781
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1698)...(647)
<223> similar to gi2832763 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

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<400> 6831
cggccgcgtc gactttttt ttagactatt ttaaaagatt ttattagagg aaataatcta
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gtagataact ttcttacttc cacaaaaaca aagtttctca aggatacaaa ccaatggatt
                                                                     120
tatctgtgaa ctcggtccca gaatagaaac tagcaaaaag tcagtacagt actcaaaaaa
                                                                     180
tacttttgtg gtatgaaaaa agggcaggtg cagatgtaga actgtaccat cttcagtttc
                                                                     240
tgttcacaat tgttttaaaa caattctcat ctatccagtc tgctctccca cgcctcagga
                                                                     300
tgaggggaag gccaatgggt caatgctctg tggataggcc caagtaggga tccaatctag
                                                                     360
ggtaattccc tgttccacct taggctctgt cctctgaggg gatttgccag ggttggcacc
                                                                     420
cacaatagtt ctccatttct ctttagtctg aacttatgct gtaaacccaa ggcctggcac
                                                                     480
aggggtatgc aggaaagttt gagtgaatca gtcacaacag ctctagtaca gtactgcatc
                                                                     540
gatatgetet ggagaeetge ageetatttt teecagagaa ataaagtgga gtqqaqatea
                                                                     600
gaagccatgg cttcccccct acctcctttg gtcagtgcag gctctggctc aaatactgaa
                                                                     660
gaaacatgtt ggccagttgc ggcaagttct cattgttggg atgcatttta gtgtacgaaa
                                                                     720
taaactggcg acgaaggcga ctcagttctg ccatggtcaa gggccgggta aaccgcaagt
                                                                     780
getetgtggt accaggaage gtgageaagt eeeeggggae agegetette tgegetteea
                                                                     840
tcaatccggc cagtacttga ctcgtgacct ggtccaactg gtgcagaaag ctgccggagg
                                                                     900
cgaggggctg ggactgcgta gactgatggg gtggtggggc ccggttctca aacagggcag
                                                                     960
ageggatece egecagggge aaeggeteet etaggeeeae caaagtgaat aaaggeeggt
                                                                    1020
```

```
1080
cccagcgatt ccgagaatcg ggagcctcaa agcgcagcgt tagggcctcc aggagttcgg
gagagtaaaa ggcaccggac ccatgctttg cagatttctc tgaatccgga gtcacaagag
                                                                     1140
                                                                     1200
etggagaete egeageeeeg gattettete geteeagtte ettgggtaeg teggeetggg
cacttccatt tactacagag tccgcagtat gcagttccct gaggacgctg ctgcccgccg
                                                                     1260
                                                                     1320
cetgggetet ecegteetee teagegegtg geegecaact cacactgacg tteeggecag
                                                                     1380
ggttetegtt egegeeegee acetgaggte eegegategg geegeeggge egtaegeagt
agaccaggca gagcggggtg cgcgccgccc gtgccaggcg agtagagctc gtaacggaaa
                                                                     1440
cctttgatgt agttaagcga gtccaggatg accacgtcgt ggcgactcag gcgccgttcc
                                                                     1500
acggaggete geagagetee acgeaatgee tteteaeggg cagaategee gtacaeeget
                                                                     1560
gggtcctctg cgcccaggac agctgcgtcg tccaccacgt acaccgcgcg gccctcggca
                                                                     1620
gccagcgcca cgcgcaactc ttcagcacgc cggctcttgc cgctgtacgg cagcccgcaa
                                                                     1680
aacaccacga geggcatect etcagggage gaccattgge aacegegetg egecaactte
                                                                     1740
cgggttgtac gcgcctccga ccatgggatg ctgtcacttg c
                                                                     1781
```

```
<210> 6832
<211> 1962
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (787)...(1673)
<223> similar to gi3941734 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6832 cccaaggccg cggccccgac gctgggcccg ggagcggtcc ccgcgcacag cgcccggacg 60 cgtaggtccc gaagtaggcc cgcgctttgc ttcgtaactg gggatctctg aggacatctt 120 agttctgacc ttgtggaggc cgcgtctctg ctgcgtgttc gcgggccagt cgggccactt 180 tgtagaaatc atagccctct aaatcaaggg acgaacgctg ctggctggag tttgctggac 240 actiticatic caccicciaa caaagagaat tectatieet tgaggteeet tggggeagea 300 gttaaagact acacgatcca ggagcaccta ggacctgggg ccaccttcct gcccgcttta 360 ttggatggag cactgcctcc ccagtttctg ggacaccttg gggtgtggcc ttggtgagtg 420 aaacttgggg tgctgcctgc tgggaaggaa atccggaaac gcagagagga ctctctggtg 480 gtgacccagg ccttgtcaga tctgagattc ttggaatctc agattgtggg ggtgtggatg 540 gtgaatgaat ttgggtatgc cccctttac cccagaactg aagaggaagc aaactacttg 600 ccacacttga ggctgcatga ctattcagag aagggaggag ccacttctga attcagagta 660 ggactgcatc accaggcaaa tacctgttct gagccagaaa gactctggct tctgaggaga 720 tectgagagt etgagtagtg ecaggaagea geeteagaat ttgggggeee attacacace 780 ccagccatgt tectgegacg gettggtgge tggetacete geeettgggg cegeeggaaa 840 ccaatgaggc ctgacccgcc ttacccagaa cccagacggg tggacagctc ctcggagaat 900 tcaggaagtg actgggatag tgccccagaa accatggaag atgtggggca tcccaagact 960 aaggactegg gggcattgag ggtttetagg getgetteeg aaccaageaa ggaggageee 1020 caagttgagc agctagggag caaaagaatg gattccctca agtgggacca gcctatctct 1080 agcactcaag agtctgggag actggaggct ggaggggcca gtcccaaact cagatgggat 1140 catgtggatt caggtggcac caggagacca ggggtgtccc ctgaaggggg actcgagcgt 1200 ccctgggcca ggagccccat tggagaaacc tggtaggcgt gagaagctgt tgggctggct 1260 gcggggggaa ccaggagctc cctcccggta cttggggggc ccagaagagt gtctgcagat 1320 ctccaccaac ctgaccctgc atcttctgga gctgctggcc tctgccctgc tggccctgtg 1380 ctcacgacca ctgcgggcag ccttggacac actgggcctg cgtggaccgc tgggcctctg 1440

```
getacatgge etactgteet teetggetge cetgeatggg etceatgetg ttetgageet
                                                                    1500
acttactgcc caccetttgc acttegeetg cetetttggt etectgeagg cettggtget
                                                                    1560
                                                                    1620
ggctgtcagc ctccgggagc ccaatgggga tgaggcggcc actgactggg agagtgaggg
gttggagagg gaaggtgagg agcagagggg agacccggga aaggggctgt gaccgtgggg
                                                                    1680
tgggggcaaa gggtgaagag agtgtgggct ttaggagaaa agtgtgaggc atgacccaaa
                                                                    1740
                                                                    1800
ttgtaagcat agggacctca gggatgggga agaaacccga gtacgagggt gcagggcccc
ccttcataca caggagagaa cagaactatt tagggtgttt gtgtttatgg acagtgaggg
                                                                     1860
cactgetett ggatteacca getgttattt ttgettttae tttteteeca cetteagttt
                                                                    1920
ttttttttt tccacctcca ctttttaaaa gcaaaaaaaa aa
                                                                    1962
```

```
<210> 6833
<211> 5656
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (137)...(4504)
<223> similar to gi1890660 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6833 aatteeggge gecagteeeg eteegegeeg egeegeteeg eteeggeteg ggeteegget 60 cgcctcgggc tgggctcggg ctccgggggg ggtgtccccc gtgccgggtc ccggtatggg 120 tggggacget ccaaccatgg cccgtgccca ggcgctcgtg ttggaactca ccttccaqct 180 ctgcgcgccg gagaccgaga ctccggaagt tggttgcacc ttcgaggagg gaagtgaccc 240 agcagtgccc tgcgagtaca gccaggccca gtacgatgac ttccagtggg agcaagtgcg 300 aatccaccct ggcacccggg cacctgcgga cctgccccac ggctcctact tgatggtcaa 360 cactteccag catgecccag gecagegage ceatgteate ttecagagee tgagegagaa 420 tgatacccac tgtgtgcagt tcagctactt cctgtacagc cgggacgggc acagcccggg 480 caccetggge gtetacgtge gegttaatgg gggeeecetg ggeagtgetg tgtggaatat 540 gactggatcc cacggccgtc agtggcacca ggctgagctg gctgtcagca ctttctggcc 600 caatgaatat caggtgctgt ttgaggccct catctcccca gaccgcaggg gctacatggg 660 cctagatgac atcctgcttc tcagctaccc ctgcgcaaag gccccacact tctcccgcct 720 gggcgacgtg gaggtcaacg cgggccagaa cgcgtcgttc cagtgcatgg ccgcgggcag 780 ageggeegag geegaaeget teetettgea aeggeagage ggggegetgg tgeeggegge 840 gggcgtgcgg cacatcagec accggcgctt cctggccact ttcccgctgg ctgccgtgag 900 ccgcgccgag caggacctgt accgctgtgt gtcccaggcc ccgcgcggac gcgggacgtc 960 teteaaette geggagttta tggteaagag ecceeaaete ecategegee eccaeagetg 1020 ctgcgtgctg gccccaccta cctcatcatc cagctcaaca ccaactccat cattggcgac 1080 gggccgatcg tgcgcaagga gattgagtac cgcatggcgc gcgggccctg ggctgaggtg 1140 cacgccgtca gcctgcagac ctacaagctg tggcacctcg accccgacac agagtatgag 1200 atcagcgtgc tgctcacgcg tcccggagac ggcggcactg gccgccctgg gccacccctc 1260 atcageegea ecaaatgege agageeeatg agggeeeeea aaggeetgge ttttgetgag 1320 atccaggece gteagetgae cetgeagtgg gaaccaetgg getacaaegt gaegegttge 1380 cacacctata ctgtgtcgct gtgctatcac tacaccctgg gcagcagcca caaccagacc 1440 ataccgagag tgtgtgaaga cagagcaagg tgtcagccgc tacaccatga agaacctgct 1500 gccctatcgg aacgttcacg tgaggcttgt cctcactaac cctgaggggc gcaaagaggg 1560 caaggaggtc actttccaga cggatgagga tgtgcccagt gggattgcag ccgagtccct 1620 gaccttcact ccactggagg acatgatctt cctcaagtgg gaggagcccc aggagcccaa 1680

```
tggtctcatc acccagtatg agatcagcta ccagagcatc gagtcatcag acccggcagt
                                                                     1740
gaacgtgcca ggcccacgac gtaccatctc caagctccgc aatgagacct accatgtctt
                                                                     1800
ctccaacetg cacccaggca ccacctacct gttctccgtg cgggcccgca caggcaaagg
                                                                     1860
cttcggccag gcggcactca ctgagataac cactaacatc tctgctccca gctttgatta
                                                                     1920
tgccgacatg ccgtcacccc tgggcgagtc tgagaacacc atcaccgtgc tgctgaggcc
                                                                     1980
ggcacagggc cgcggtgcgc ccatcagtgt gtaccaggtg attgtggagg aggagcaggg
                                                                     2040
cagcaggagg ctgcggcggg agccaggtgg acaggactgc ttcccagtgc cattgacctt
                                                                     2100
cgaggcggcg ctggcccgag ggctggtgga ctacttcggg gccgaactgg cggccagcag
                                                                     2160
tetacetgag gecatgeest ttacegtggg tgacaacaag acetacegag gettetggaa
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cccaccactt gagcctagga aggcctatct catctacttc caggcagcaa gccacctgaa
                                                                     2280
gggggagacc cggctgaatt gcatccgcat tgccaggaaa gctgcctgca aggaaagcaa
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geggeeeetg gaggtgteee agagategga ggagatgggg ettateetgg geatetgtge
                                                                     2400
aggggggctt gctgtcctca tccttctcct gggtgccatc attgtcatca tccgcaaagg
                                                                     2460
gagagaccac tatgcctact cctactaccc gaagccggtg aacatgacca aggccaccgt
                                                                     2520
caactacege caggagaaga cacacatgat gagegeegtg gacegeaget teacagacea
                                                                     2580
gagcaccctg caggaggacg agcggctggg cctgtccttc atggacaccc atggctacag
                                                                     2640
caccegggga gaccagegca geggtggggt cactgaggcc ageagectee tggggggete
                                                                     2700
cccgaggcgt ccctgtggcc ggaagggctc cccataccac acggggcagc tgcaccctgc
                                                                     2760
ggtgcgtgtc gcagaccttc tgcagcacat caaccagatg aagacggccg agggttacgg
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cttcaagcag gagtatgaga gcttctttga aggctgggac gccacaaaga agaaagacaa
                                                                     2880
ggtcaagggc agccggcagg agccaatgcc tgcctatgat cggcaccgag tgaaactgca
                                                                     2940
cccgatgctg ggagacccca atgccgacta cattaatgcc aactacatag atattcggat
                                                                     3000
aaaccgagaa ggttaccaca ggtcaaacca cttcatagcc actcaagggc cgaagcctga
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gatggtetat gaettetgge gtatggtgtg geaggageae tgtteeagea tegteatgat
                                                                     3120
caccaagetg gtcgaggtgg gcagggtgaa atgetcaegg taetggeegg aggaeteaga
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cacctacggg gacatcaaga ttatgctggt gaagacagag accctggctg agtatgtcgt
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gcgcactttt gccctggagc ggagaggcta ctctgcccgg cacgaggtcc gccagttcca
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etteacageg tggccagage atggcgtece etaccatgee acggggetge tggcttteat
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ccggcgcgtg aaggcttcca ccccacctga tgccgggccc attgtcatcc actgcagcgc
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gggcaccggc cgcacaggtt gctatatcgt cctggatgtg atgctggaca tggcagagtg
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gatccagact gaggagcagt acatcttcat tcatgatgca atcctggagg cctgcctgtg
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tggggagacc accatccctg tcagtgagtt caaggccacc tacaaggaga tgatccgcat
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tgatcctcag agtaattcct cccagctgcg ggaagagttc cagacgctga actcggtcac
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cccgccgctg gacgtggagg agtgcagcat cgccctgttg ccccggaacc gcgacaagaa
                                                                     3780
ccgcagcatg gacgtcctgc cgcccgaccg ctgcctgccc ttcctcatct ccactgatgg
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ggactccaac aactacatta atgcagccct gactgacagc tacacacgga gtgcggcctt
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catcgtgacc ctgcacccgc tgcagagcac cacgcccgac ttctgggggc tggtctacga
                                                                     3960
ttacgggtgc acctccatcg tcatgctcaa ccagctgaac cagtccaact ccgcctggcc
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ctgcctgcag tactggccag agccaggccg gcagcaatat ggcctcatgg aggtggagtt
                                                                     4080
tatgtcgggc acagctgatg aagacttagt ggctcgagtc ttccgggtgc agaacatctc
                                                                     4140
teggttgeag gaggggeace tgetggtgeg geactteeag tteetgeget ggtetgeata
                                                                     4200
ccgggacaca cctgactcca agaaggcctt cttgcacctg ctggctgagg gggacaagtg
                                                                     4260
gcaggccgag agtggggatg ggcgcaccat cgtgcactgc ctaaacgggg gaggacgcag
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cggcaccttc tgcgccctgc gccacggtcc tggagatgat ccgctgccac aacttggtgg
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acgttttctt tgctgccaaa accctccgga actacaaacc caacatggtg gagaccatgg
                                                                     4440
atcagtacca cttttgctac gatgtggccc tggagtactt ggaggggctg gagtcaagat
                                                                     4500
agcggggccc tggcctgggg cacccactgc acactcaggg ccagacccac catcctggac
                                                                     4560
tggcgaggaa gatcagtgcc tcctgctctg cccaaacaca ctcccatggg gcaagcactg
                                                                     4620
gagtggatgc tgggctatct tgctccccct tccactgtgg gcagggcctt tcgcttgtcc
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catgggcggg tggtgggcca aggaggagct tagcaagtct gcagcccagc cccacctcca
                                                                     4740
tagggtcctg caggcctgtg ctgagaggcc tggtgctgcc tggcagagtg acaaaggctc
                                                                     4800
aggacggctg gctctggggg actcaggcca agccccttgg caccatcctg gcttttggca
                                                                     4860
gggatgagtg aggccctgca gagagcatcc caggccaagg ttcccactca gcctgcccc
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tctgcatgtg ggtagaggat gtactgggac ttggcattta ggattccatc tggcccagcc
                                                                     4980
cctgaaggtc ctggggaagc aggtctcaat tctgaatagc cagtggggca cactgactgt
                                                                     5040
ecetececag gggaactgea gegeeeetee teeceactge eceetgeaac eceetgagat
                                                                     5100
```

```
attitigetea etateceete ceccaetige titecetgata igigetetga geticeetga
                                                                     5160
accaggatet geetattaet getgtgeece atgggggget cettecetge etgacecaet
                                                                     5220
gttgcagaat gaagtcacct cgccccctc ttcctttaat cttcaggcct cactggcctg
                                                                     5280
tectgeteag ettgggeeag tgacaatetg caaggetgaa caacageece tggggttgag
                                                                     5340
gcccctgtgg ctcctggtca ggctgcccgt tgtggggagg ggcagtgtta gagcagggct
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ggtcataccc tctggagttc agaggaagag gtaggaccag tgcttttttg tttcttttgt
                                                                     5460
tatttttggt tgggtgggtg ggaaggtete tttaaaatgg ggeaggeeae acceecatte
                                                                     5520
cgtgcctcaa tttccccatc tgtaaactgt agatatgact actgacctac ctcqcaqqqq
                                                                     5580
gctgtgggga ggcataagct gatgtttgta aagcgctttg taaataaacg tgctctctga
                                                                     5640
atgcctaaaa aaaaaa
                                                                     5656
```

```
<210> 6834
<211> 2735
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2285)...(1152)
<223> similar to gi5921491 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6834 tttttttgtt ttttattttt tctttttaag tttgatttt tttatttcaa aatgctttgc 60 aattaaatga attactgttc agaagtctcc cacttttcat acaaaaatac tgtgctactg 120 atacagttga aaaaattcaa tgatgtctct cctgcaggag aaattcacag catccccagg 180 gtcaacatga aatctggccc tgtccccgcc actgggggct ccccaggcct gcgttcctga 240 taaactggga caggttttcc aggcactgac caactatcca ccaagggtcc tctgcctcca 300 agacagaccc tgaatcaata gcagcaactt tcccatattt catgtaggga tatgtggagg 360 gggacaggaa ctctcccatt tccccagctg ggcctactac ctgcctgccc tgttcactct 420 ggtgccatga ggcaggttca gtgattgatt ggtcttgcct gctgcagagg acctggccag 480 ctccagaagg gtcactcatc aggtcctgca aaggtctgta tcattaatca gtgtcatcag 540 tgtcctcaga agacactagc agagtccagg gtgatgcgtt cagccacaag cacaaagact 600 gctttttcta aagagcagga tgaggtgaat gtgggaacgg aaagcagttg tcacgaaggc 660 tgtgtggctc tgctggggga gaggcatcca cagtctgtgc caaggaggta cctcaccctg 720 tgcagcagga gcgttaaggc caaaaaacaa aaggggccaa cagaaaacag ctcaggtgat 780 ggggggagga gcagcaagaa aaaacgacaa ccgagaccaa ctgaaggttc ggtcaggaat 840 gcaggctctt ccgtctatac agtgtttaaa aagatccaaa tgtgactgag atcattccag 900 cctgcacttt ttatttgtag gcagaaggaa cgggataggt tgaggggcat gacgggggct 960 ctcgccacct cttgtctgca cctctggaac aggtgggagc cgaatcattc aagtcctacc 1020 tggtcagact cccaaccacg ctgaggcagg cccttacctt ggattgcctc atgggcctcc 1080 ctcttgaaaa agaccctcac tctgtttgga aaagatccct tagcagccat aatcaggaaa 1140 gagactetag agegageeca gggetteece aaageggatt ttetgteetg tttteagetg 1200 gaaattgaag teettggggg cetegaagat gageacgatg gtggageeca ggttgaaact 1260 cgccccaggt gctcgcccct taacgccatg gggacgccct ctctattggt gtgcgtcacg 1320 aagctgaagt cattgtagga gcccttgctg tgccttgggc tgtttgtgtg caggtcccgg 1380 tcaaagtaga tgcgaatgga gccccagttg ggtggccccc acagctgtca gtgagaagaa 1440 gccatgtttc cagtcccccg tcaggaccac ccgctcgtta tggcagaaga gctctttgat 1500 ccagcgagcc atgccagggt tcactgacat cagggagcct gggaagtggc gccggtggga 1560 cacagtccag tcggtggggg agtggaagca gtggtagtcc ccaggggcca ggtagatgac 1620

```
acagtgatag ageteattee etteeegggt gaeeagetgg ttettgaagg agteaeaega
                                                                    1680
cgcggctggt gggaagggca ggtcctctgt gcacatacgc gggcccagga acgactccag
                                                                    1740
ggagtaggtg acccccttta cctgctccac ctcacagttc ttcacctgcc caaagttgag
                                                                    1800
gateetteea teegatggge taateaeget gtgeaggeea cagacaggee gggeetgegg
                                                                    1860
cttcagettg cgccggaaga actcgctgag gttgcggtag tgatgcaggt cctccacage
                                                                    1920
ggcctctttc atgttcaccc caaacgtcca gatgtacagg ctgtagacgg gcctgcgcag
                                                                    1980
                                                                    2040
ccagtgtggc agctccacct gattgaggcg accccaggcc cgtgacagca agcgcgttgg
cactgacttg tacaaagcca ccctgcttac gggcctccat cccacccggc tgagcggtct
                                                                    2100
gagggcgccg aagggcagga ggtagtagag gacggtcaag ggccaggagc gcagtttcag
                                                                    2160
agegggtetg gacatgeage teagetgeee eageeteege eteagggeea getgggggaa
                                                                    2220
gtgcaaccat ttcgccgcgc ggagctctgg tccttgccgc gcctctgact gacacatcat
                                                                    2280
gggccggcgc agggagggcg gggcgaggct cactcgatca ctccctttgt tttcctcttt
                                                                    2340
ceteceette eecegageea geagatetee tgtgetgtea etgeteeagg geetetgeet
                                                                    2400
ctgcgagget ggttggtggc gccgcttcct gggtttggtt cagtctcggt ggctcacagg
                                                                    2460
gtgcagaata gagggtcagg gccgcgcccg gcaggagata agatgtggag gaagtgagct
                                                                    2520
cacgcagccc gggccgtgcc cacgtgggga cggaaaaaaa gcccacgact cgctcaacct
                                                                    2580
tgtccgcggg gctcctcagg ccggggccgc gtcgtcacag ctgggagagc ccacctgcga
                                                                    2640
ccgaaggccc tagaagggca ccccacccg gcactggccc tctgagcggg cagggtgggg
                                                                    2700
cgcctccctg agaagtcacc tggggctcca cgaaa
                                                                    2735
```

```
<210> 6835
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (655)...(253)
<223> similar to gi23396 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters
```

```
<400> 6835
ttttttttt ttcacagcag caccagaaac atatacactt tattgaatgc cattgtagaa
                                                                      60
aagcgtgtga ggataaaggg ctgatgcagg actcggctgt ggggacaggg cgaggaatgg
                                                                     120
aaggtggagt aagtggaata caggtcaagg gcagagctcc tggcctctgg gggcagggcg
                                                                     180
aggaatggaa gatagagtac gtgggataca ggtcacgggc agagctcctg gcctcaatga
                                                                     240
tgcctcctga tctatcgctg ggcctggacg accaacactg ggatgatgat gagcagaatg
                                                                     300
gtcatgaaga tgcccaaaat cagggcccag atgttcaggc acttggcggt ggaggcatag
                                                                     360
gcctgggccc cggtcacgtc gccaaccatc ttcctgtccc tagacttcac ggagtacgcg
                                                                     420
aatgctatga agcccaggca gcaggtgttc atgaagaggg tgttgaacag ggaccagacg
                                                                     480
acatggtcag gcacggaggt ctcgctgcgg atgtggatca cggtggacat cgggggagca
                                                                     540
gggttgtggg gcgccccag catagccact tcctgctcct ccttgagcat ctcgtagttg
                                                                     600
ggaggctggc cggctgttga caggagagaa ggtttgcaac aatqtqqqtc atqqtqacca
                                                                     660
agcggtgatc gggggtaacc gggatgggtt ctcaatggag ccccttccct tttccc
                                                                     716
```

```
<211> 2849
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2850)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2630)...(892)
<221> misc_feature
<222> (2630)...(892)
<223> similar to gi458436 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6836 ttttttttt ttagttcaat atgattttat ttaaaaatgt gtacagctga aggagggatc 60 tgatcttttg ttaaatgaaa ccaattttca cggtatatat ttggccattt tagcttcgta 120 gtgaataata ccagaaaagg aagtttctgt tcaagatcct cactccagca cactcagcca 180 ggtgcctggg caagatgaca catttcctgg tctgaagctc acaggccaat cctctcactg 240 aagtgaaaca ccaattctcc aggcatacac acacatacgc acatcttatt ttcactqctc 300 tacacaggga cctgagaatc cttaatttta aaqttqqqaa aaacqtqaaa qqattcctta 360 actcattgtc tgcgacaaat ccaactacct gttaactctt aacaattgca agtataaaat 420 acttgaaatt tacaagatgc tccatttaat ggaacaactc aaatgctaaa aaattaggtc 480 aaataacatg ctttaatatt tttaaatgtt acttaaaaac ttatttgaga caagatacgg 540 cagcacattt cttggtatta taaacatcac atactgacga ctgcatactt gatggccaat 600 aagatttaaa gaaagataat aaaccatact ggtatacaac aatatctgca gggaatgtca 660 tgttttacat tttgttaact gaaattaaac ctgacaaaaa aaccaaaqat ctacaaaacc 720 gacacccatg tcattttaaa tgatgaggta gattgtttcc tatgcagtaa agtgaagata 780 840 tcactttcac aaacaagaca ttcataaact ataaggtgga gaggtcatac tcaggcaggt 900 tetgtaettg atgtgttaet tggagattea ataateagte ttgggteaat caactettte 960 caaaatacag tgatcttgct ctcctgtgtc acagcgtact ccactacctc ggctccattt 1020 tcattgtgat aaactaaatc aaatttcccc aggttctcct caaaggcagg taaggatgaa 1080 agaattteta tatetaettg etgggtetet ggattgtgge ttaatattet teetteettg 1140 tagtcagaga catcaggaga gtaactggat qttaqctcca aaaqcttaaa tqcaatcttt 1200 tetecaaett gaggggeage tgetaaeagt ggtaaeagae tatagteett ettgggtgte 1260 tctactggat tctggataat agtagatgaa ttttttacca cgtcatttaa ttqctqttqc 1320 ctctggttgt cagtgcttct atttacaaca caggaaacag gatgccctcg tcctcgacct 1380 ctccccgca tgccccgtcc cttagctccc ttccaagaaa aaaggttctc ttctctaccc 1440 catcctcttc ctaaactagc agggagagac acactgggag aagcaccagg agcctgtcca 1500 ccaccatttg agccagaacg cctccatcca gcagcacctg cagtctgtga tgacagccct 1560 gggcctggac gacctcttcc tgcaaaaagg cctactgtct ttaagaaacc cgcagcacac 1620 tccggggtgc tcgatgacat caagcattgg tcgtctgact ctgcactaga gtctgaactg 1680 gaaagatgtt gttccagagg tcttgccctt gctgggggta aggctaaagc caagttttat 1740 agccagtttg tetgcagttg tatttttggt agagggttet teetttgata actcagttgg 1800 taatttctct gaggaatttc tggcctccaa agtgactttg ctgggaccat cactgataga 1860 ttcatcacaa gactcagact ccgaggagga actgggactc tcttttgagc aaacgcttac 1920 actacctttc cttttggctt taacaaggct gtttctagca gaaccttttg gagaactaca 1980 tetetgattg geecagtett teactgeetg taetttegga qaettgggat tettageett 2040 ttttttatat tcacatttct cctttttctt tqqtqatttt cttttqqcct cttcqttatc 2100 atcacccact gtgccacagg ttgctttatt ttttctcttg ttttttttgc tgacagtctg 2160 atctgtgaca gcttttggtt ccagatccaa gaccttctca ttattgttat tgttctctcg 2220 actettecaa tgettetttg aatatttgea atetggttea gtttetteae ceteetetaa 2280

```
ctgaaatgcc cgcttctttg cttttctaag agataaatta atgtcaccat tactgatgac
                                                                    2340
tacagaattc tcagcaactc ctctcttc taatttaact ctgaggcagt cgttgtctct
                                                                    2400
cacaaggege gegetetegg eggggggeaa gageeeeee teeaggtaga ggeetaggaa
                                                                    2460
ggccccagaa ctgaagccga agcgctggcg gatgagacta atgagatctg tgacgactcg
                                                                    2520
gcatctgttc aagtcgacca gaagccagaa ggccgtacag tgcggggtag ctggcggcgg
                                                                    2580
gtaatcaaat tgaagccgta gcctaaccgt ctcggaagct gccatcttgc ttggtgctca
                                                                    2640
acggaagccg agagatacca cggngccacc gagaggcgtg ctcgggcggc tcgccccgc
                                                                    2700
eggageettt ggegtgtgee acetagtggt gaaaactgge tactacagge tgegtetagg
                                                                    2760
cgagaactcg gagcggtggt gatttcattc aatttttgtc acggcagggc tgaggaaggg
                                                                    2820
aataagttga atgctttatt acatttcta
                                                                    2849
```

```
<210> 6837
<211> 2982
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (506)...(2055)
<223> similar to gi3513303 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6837 ctgccgcgac ggcggcaaga acggcttcat ggtgtcccct atgaaaccgc tggaaatcaa 60 gacccagtgc tcagggcccc ggatggaccc caaaatctgc cctgccgacc ctgccttctt 120 ctccttcatc aataacagcg acctgtgggt ggccaacatc gagacaggcg aggagcggcg 180 gctgaccttc tgccaccaag gtttatccaa tgtcctggat gaccccaagt ctgcgggtgt 240 ggccaccttc gtcatacagg aagagttcga ccgcttcact gggtactggt ggtgcccac 300 agecteetgg gaaggtteag agggeeteaa gaegetgega ateetgtatg aggaagtega 360 tgagtccgag gtggaggtca ttcacgtccc ctctcctgcg ctagaagaaa ggaagacgga 420 ctcgtatcgg taccccagga caggcagcaa gaatcccaag attgccttga aactggctga 480 gttccagact gacagccagg gcaagatcgt ctcgacccag gagaaggagc tggtgcagcc 540 cttcagctcg ctgttcccga aggtggagta catcgccagg gccgggtgga cccgggatgg 600 caaatacgcc tgggccatgt tcctggaccg gccccagcag tggctccagc tcgtcctcct 660 ccccccggcc ctgttcatcc cgagcacaga gaatgaggag caggcggcta gcctctgcca 720 gagctgtccc caggaatgtc cagccgtatg tggtgtacga ggaggtcacc aacgtctgga 780 tcaatgttca tgacatcttc tatcccttcc cccaatcaga gggagaggac gagctctgct 840 ttctccgcgc caatgaatgc aagaccggct tctgccattt gtacaaagtc accgccgttt 900 taaaatccca gggctacgat tggagtgagc ccttcagccc cggggaaggt gagcagagcc 960 tgacgaatgc tatctgggtc aatgaggaga ccaagctggt gtacttccag ggcaccaagg 1020 acacgccgct ggagcaccac ctctacgtgg tcagctatga ggcggccggc gagatcgtac 1080 gesteaseas geseggette tessataget getesatgag esagaastte gasatgtteg 1140 tcagccacta cagcagcgtg agcacgccgc cctgcgtgca cgtctacaag ctgagcggcc 1200 ccgacgacga ccccctgcac aagcagcccc gcttctgggc tagcatgatg gaggcagcca 1260 agatetteca tttecacaeg egeteggatg tgeggeteta eggeatgate tacaageece 1320 acgeettgea gecagggaag aageaceeca eegteetett tgtatatgga ggeeceeagg 1380 tgcagctggt gaataactcc ttcaaaggca tcaagtactt gcggctcaac acactggcct 1440 ccctgggcta cgccgtggtt gtgattgacg gcaggggctc ctgtcagcga gggcttcggt 1500 tcgaaggggc cctgaaaaac caaatgggcc aggtggagat cgaggaccag gtggagggcc 1560 tgcagttcgt ggccgagaag tatggcttca tcgacctgag ccgagttgcc atccatggct 1620

```
ggtcctacgg gggcttcctc tcgctcatgg ggctaatcca caagccccag gtgttcaagg
                                                                     1680
tggccatcgc gggtgccccg gtcaccgtct ggatggccta cgacacaggg tacactgagc
                                                                     1740
gctacatgga cgtccctgag aacaaccagc acggctatga ggcgggttcc gtggccctgc
                                                                    1800
acgtggagaa gctgcccaat gagcccaacc gcttgcttat cctccacggc ttcctggacg
                                                                    1860
aaaacgtgca ctttttccac acaaacttcc tcgtctccca actgatccga gcaqggaaac
                                                                     1920
cttaccaget ccaggtggcc ctgcctcctg tctccccgca gatctacccc aacgagagac
                                                                    1980
acagtatteg etgeceegag tegggegage actatgaagt caegttgetg caetttetae
                                                                    2040
aggaatacct ctgagcctgc ccaccqqqaq ccqccacatc acaqcacaaq tqqctqcaqc
                                                                    2100
ctccgcgggg aaccaggcgg gagggactga gtggcccgcg ggccccagtg aggcactttg
                                                                    2160
tecegeecag egetggeeag eecegaggag eegetgeett eacegeeceg aegeetttta
                                                                    2220
teettittta aaegetettg ggttitatgt eegetgette tiggtigeeg agacagagag
                                                                    2280
atggtggtet egggeeagee cetectetee eegeettetg ggaggaggag gteacaeget
                                                                    2340
gatgggcact ggagaggcca gaagagactc agaggagcgg gctgccttcc gcctggggct
                                                                    2400
ccctgtgacc tctcagtccc ctggcccggc cagccaccgt ccccagcacc caagcatgca
                                                                    2460
attgcctgtc cccccggcc agcctccccc acttgatgtt tgtgttttgt ttggggggat
                                                                    2520
atttttcata attatttaaa agacaggccg ggcgcggtgg ctcacgtctg taatcccagc
                                                                    2580
actttgggag gctgaggcgg gcggatcacc tgaggttggg agttcaagac cagcctggcc
                                                                    2640
aacatgggga aaccccgtct ctactaaaaa tacaaaaaat tagccgggtg tggtggcgcg
                                                                    2700
tgcctataat cccagctact cgggaggctg aggcaggaga atcgcttgaa cccgggaggt
                                                                    2760
ggaggttgcg gtgagccaag atcgcaccat tgcactccag cctgggcaac aagagcgaaa
                                                                    2820
ctctgtctca aaataaataa aaaataaaag acagaaagca aggggtgcct aaatctagac
                                                                    2880
ttggggtcca caccgggcag cggggttgca acccagcacc tggtaggctc catttettec
                                                                    2940
caagcccgag cagagggtca tgcgggcccc acaggagaag cg
                                                                    2982
```

```
<210> 6838
<211> 1120
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (109)...(918)
<223> similar to gi1066392 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6838
gttatgtgtt cccgtccgta ctggaggcta gctcttgtcg cggccgcggc gagttaacat
                                                                       60
cgtttttcca atctgtccgc ggctgccgcc acccaagaca gagccagaat gttcaggatg
                                                                      120
ctgaacagca gttttgagga tgaccccttc ttctctgagt ccattcttgc acaccgagaa
                                                                      180
aatatgcgac agatgataag aagtttttct gaaccctttg gaagagactt gctcagtatc
                                                                      240
tctgatggta gagggagagc tcataatcgt agaggacata atgatggtga agattctttg
                                                                      300
actcatacag atgtcagctc tttccagaca atggaccaaa tggtgtcaaa tatgagaaac
                                                                      360
tatatgcaga aattagaaag aaacttcggt caactttcag tggatccaaa tggacattca
                                                                      420
ttttgttctt cctcagttat gacttattcc aaaatagggg aataacccgc aaaaggtttt
                                                                      480
tgcaggcctc aactcaaact cgtcgagctc caggaggaat aaaggaaacc aggaaagcaa
                                                                      540
tgagagattc tgacagtgga ctagaaaaaa tggctattgg tcatcatatc catgaccgag
                                                                      600
ctcatgtcat taaaaagtca aagaacaaga agactggaga tgaagaggtc aaccaggagt
                                                                      660
tcatcaatat gaatgaaagc gatgctcatg cttttgatga ggagtggcaa agtgaggttt
                                                                      720
tgaagtacaa accccgggac gacacaatct aggaaacact agaatgagaa gtgttggcca
                                                                      780
tgagaateet ggeteeegag aacttaaaag aagggagaaa eeteaacaaa gteeagceat
                                                                      840
```

```
tgaacatgga aggagatcaa atgttttggg ggacaaactc cacatcaaag gctcatctgt 900 gaaaagcaac aaaaaataaa tagccatgca tttgatttgt ttagttttga ttgttttaac 960 agttagtaat ggtgctgggt aataagcata agaccaatct cttgctgtta aatcagttct 1020 gtccttggca actttcttct gatatctgaa tgttcatgaa ggtcctagct ttatattgtc 1080 cctcttttag gaataaaatt ttgattttca acaaaaaaaa 1120
```

```
<210> 6839
<211> 3584
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(3369)
<223> similar to gi416178 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6839 cggacgcgtg ggggcgcgga gcccgggacg cgcgtacgcc ctgctgcttc tcctgatctg 60 ctttaacgtt ggaagtggac ttcacttaca ggtcttaagc acaagaaatg aaaataagct 120 getteetaaa eateeteatt tagtgeggea aaagegegee tggateaeeg eeeeegtgge 180 tcttctggag ggagaggatc tgtccaaaaa gaatccaatt gccaagatac attctgatct 240 tgcagaagaa agaggactca aaattactta caaatacact ggaaaaggga ttacagagcc 300 accttttggt atatttgtct ttaacaaaga tactggagaa ctgaatgtta ccagcattct 360 tgatcgagaa gaaacaccat tttttctgct aacaggttac gctttggatg caagaggaaa 420 caatgtagag aaaccettag agetacgeat taaggttett gatateaatg acaacgaace 480 agtgttcaca caggatgtct ttgttgggtc tgttgaagag ttgagtgcag cacatactct 540 tgtgatgaaa atcaatgcaa cagatgcaga tgagcccaat accctgaatt cgaaaatttc 600 ctatagaatc gtatctctgg agcctgctta tcctccagtg ttctacctaa ataaagatac 660 aggagagatt tatacaacca gtgttacctt ggacagagag gaacacagca gctacacttt 720 gacagtagaa gcaagagatg gcaatggaga agttacagac aaacctgtaa aacaagctca 780 agttcagatt cgtattttgg atgtcaatga caatatacct gtagtagaaa ataaagtgct 840 tgaagggatg gttgaagaaa atcaagtcaa tgtagaagtt acgcgcataa aagtgttcga 900 tgcagatgaa ataggttctg ataattggct ggcaaatttt acatttgcat caggaaatga 960 aggaggttat ttccacatag aaacagatgc tcaaactaac gaaggaattg tgacccttat 1020 taaggaagta gattatgaag aaatgaagaa tettgaette agtgttattg tegetaataa 1080 agcagetttt cacaagtega ttaggagtaa atacaageet acacecatte ceatcaaggt 1140 caaagtgaaa aatgtgaaag aaggcattca ttttaaaagc agcgtcatct caatttatgt 1200 tagcgagagc atggatagat caagcaaagg ccaaataatt ggaaattttc aagcttttga 1260 tgaggacact ggactaccag cccatgcaag atatgtaaaa ttagaagata gagataattg 1320 gatctctgtg gattctgtca catctgaaat taaacttgca aaacttcctg attttgaatc 1380 tagatatgtt caaaatggca catacactgt aaagattgtg gccatatcag aagattatcc 1440 tagaaaaacc atcactggca cagtccttat caatgttgaa gacatcaacg acaactgtcc 1500 cacactgata gagcctgtgc agacaatctg tcacgatgca gagtatgtga atgttactgc 1560 agaggacetg gatggacace caaacagtgg ceettteagt tteteegtea ttgacaaace 1620 acctggcatg gcagaaaaat ggaaaatagc acgccaagaa agtaccagtg tgctgctgca 1680 acaaagtgag aaaaagcttg ggagaagtga aattcagttc ctgatttcag acaatcaggg 1740 ttttagttgt cctgaaaagc aggtccttac actcacagtt tgtgaggttc tgcatggcag 1800 ceggetgeag ggaageacag catgaeteet atgtgggeet gggaecegea geaattgege 1860 tcatgatttt ggcctttctg ctcctgctat tggtaccact tttactgctg atgtgccatt 1920

```
1980
geggaaaggg egecaaagge tttaccecca tacetggeac catagagatg etgeateett
ggaataatga aggagcacca cctgaagaca aggtggtgcc atcatttctg ccagtggatc
                                                                     2040
aagggggcag tetagtagga agaaatggag taggaggtat ggecaaggaa gecaegatga
                                                                     2100
aaggaagtag ctctgcttcc attgtcaaag ggcaacatga gatgtccgag atggatggaa
                                                                     2160
ggtgggaaga acacagaagc ctgctttctg gtagagctac ccagtttaca ggggccacag
                                                                     2220
                                                                     2280
gegetattea tgaccactga aaccacgatt accgcaaggg ccacaggggc ttccagagac
gtggccggag ctcaggcagc tgctgttgca ctgaacgaag aattcttaaa aaattatttc
                                                                     2340
actgataaag cggcctctta cactgaggaa gatgaaaatc acacagccaa aqattqcctt
                                                                     2400
ctggtttatt ctcaggaaga aactgaatcg ctgaatgctt ctattggttg ttgcagcttt
                                                                     2460
attgaaggag agctagatga ccgcttctta gatgatttgg gacttaaatt caagacacta
                                                                     2520
gctgaagttt gcctgggtca aaaaatagat ataaataagg aaattgagca gagacaaaaa
                                                                     2580
cctgccacag aaacaagtat gaacacagct tcacattcac tctgtgagca aactatggtt
                                                                     2640
aattcagaga atacctactc ctctggcagt agcttcccag ttccaaaatc tttgcaagaa
                                                                     2700
gccaatgcag agaaagtaac tcaggaaata gtcactgaaa gatctgtgtc ttctaggcag
                                                                     2760
gcgcaaaagg tagctacacc tcttcctgac ccaatggctt ctagaaatgt gatagcaaca
                                                                     2820
gaaacttect atgteacagg gtecactatg ceaceaacea etgtgateet gggteetage
                                                                     2880
cagccacaga gccttattgt gacagagagg gtgtatgctc cagcttctac cttggtagat
                                                                     2940
cagcettatg ctaatgaagg tacagttgtg gtcactgaaa gagtaataca gcctcatggg
                                                                     3000
ggtggatcga atcctctgga aggcactcag catcttcaag atgtacctta cgtcatggtg
                                                                     3060
agggaaagag agagetteet tgeeceeage teaggtgtge ageetaetet ggeeatgeet
                                                                     3120
aatatagcag taggacagaa tgtgacagtg acagaaagag ttctagcacc tgcttccact
                                                                     3180
ctgcaatcca gttaccagat tcccactgaa aattctatga cggctaggaa caccacqqtq
                                                                     3240
tetggagetg gagteeetgg ceetetgeea gattttggtt tagaggaate tggteattet
                                                                     3300
aattctacca taaccacatc ttccaccaga gtcaccaagc atagcactgt acagcattct
                                                                     3360
tactcctaaa cagcagtcag ccacaaactg acccagagtt taattagcag tgactaattt
                                                                     3420
catgtttcca atgtacctga tttttcatga gccttacaga cacacagaga cacatacaca
                                                                     3480
ttgatcttaa aatttttctc agtcactgat atgcaaagga ccacactgtc tctgcttcca
                                                                     3540
ggagtatttt agaaatgttc cacaatttac tgaagacata gaga
                                                                     3584
```

```
<210> 6840
<211> 3063
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (37)...(1792)
<223> similar to gi633870 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6840
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gacacggacg gggcgggggg caacagcagc agctcggccg ccatgcagtc gtcctgctcg
                                                                      120
tegacetegg geggeggegg tggeggeggg ggaggeggeg geggtgggaa gtegggggge
                                                                      180
attgtcatct cgccgttccg cctggaggag ctcaccaacc gcctggcctc gctgcagcaa
                                                                      240
gagaacaagg tgctgaagat agagctggag acctacaaac tgaagtgcaa ggcactgcag
                                                                      300
gaggagaacc gcgacctgcg caaagccagc gttaccatcc aagccagggc tgagcaggaa
                                                                      360
gaagaattca ttagtaacac tttattcaag aaaattcagg ctttgcagaa ggagaaagaa
                                                                      420
accettgetg taaattatga gaaagaagaa gaatteetca etaatgaget eteeagaaaa
                                                                      480
ttgatgcagt tgcagcatga gaaaggcgaa ctagaacagc atcttgaaca agagcaggaa
                                                                      540
```

```
tttcaggtca acaaactgat gaagaaaatt aaaaaactgg agaatgacac catttctaaq
                                                                      600
caacttacat tagaacagtt gagacgggag aagattgacc ttgaaaatac attqqaacaa
                                                                      660
gaacaagaag cactagttaa tcgcctctgg aaaaggatgg ataagcttga agctgaaacg
                                                                      720
cgaatcctgc aggaaaaatt agaccagccc gtctctgctc caccatcgcc tagagatatc
                                                                      780
tccatggaga ttgattctcc agaaaatatg atgcgtcaca tcaggttttt aaaqaatqaa
                                                                      840
gtggaacggc tgaagaagca actgagagct gctcagttac agcattcaga gaaaatggca
                                                                      900
cagtatctgg aggaggaacg tcacatgaga gaagagaact tgaggctcca gaggaagctg
                                                                      960
cagagggaga tggagagaag agaagccctc tgtcgacagc tctccgagaq tqaqtccaqc
                                                                     1020
ttagaaatgg acgacgaaag gtattttaat gagatgtctg cacaaggatt aagacctcgc
                                                                     1080
actgtgtcca gcccgatccc ttacacacct tctccgagtt caagcaggcc tatatcacct
                                                                     1140
ggtctatcat atgcaagtca cacggttggt ttcacgccac caacttcact gactagagct
                                                                     1200
ggaatgtett attacaatte eeegggtett caegtgeage acatgggaac ateccatggt
                                                                     1260
atcacaaggc cttcaccacg gagaagcaac agtcctgaca aattcaaacg gcccacgccg
                                                                     1320
cctccatttc ccaacacac gaccccagtc cagccacctc caccttcacc tccgccaccc
                                                                     1380
atgcagecca eggteeecte ageagecace tegeagecta eteettegea acatteggeg
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aatggagccg tctactcaac gccaaaggct tccttctctg gcatatttgg atatgactta
                                                                     1560
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gaatcttcat gtacgtccat tccctggctg gaaccttcgc tgtttggtat ttggtatttc
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                                                                     1800
aaaagaaaaa gggatatett ttttatattt ttttccatga atctgcagaa aattactgag
                                                                     1860
ctgttgttac cctcctcta ttataatagt gtttaccaaa cataccaata attcagcact
                                                                     1920
acaattcaga cctttgaaaa tctggctttc agtgtagaac agaaagttag atgaatcagt
                                                                     1980
gcccaagaca tattttctgt ttaacagaac tttctacaga tacatttttt acaggttatt
                                                                     2040
ttcattgtgt tattgacatc catgtctctc gtaaaacaga tggcccaaag taatgaatca
                                                                     2100
tgtggctgta ccttctccac ataaatggga tggataatta tcgtatatta agatgtgatt
                                                                     2160
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                                                                     2220
aatgttgtcc tactccaccg gtggtttcaa tggctaatta gaatgtgtta tttgatttct
                                                                     2280
gctgcagaag gcagtgtgat tgtaacaaaa acaatgcggc ttcccccttt cgtacttcat
                                                                     2340
ttgtgttctc ttaaaataga gtttgaacaa atattttaaa ggtgcaaaat accattagaa
                                                                     2400
aatactattt gaaatggaca ttatcgcatt atcttggcat aatggccaga aaattattgt
                                                                     2460
attgcttggc agaaaagaaa ataaggtcta aaggaaagta gcacattagc attgatggct
                                                                     2520
gttcatttca cccagtataa gcaagtgcag tgtacaaaga agtatattct gaatacatta
                                                                     2580
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                                                                     2640
actetttet taatacgtgc aacatettaa tttttgtttt teageagttg etgttttgta
                                                                     2700
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aaataactta ctagagaatg tatattttat gacaagaatg tgtatctgtt ggatataatc
                                                                     2820
agagaactga aaagtaattt atcagtaatt tttaagagtc catqttttqt qacaaccatc
                                                                     2880
tctaatagcc aactctttat taaacacact cctaaaaata aggaaccatg acattgtaga
                                                                     2940
tatttaatat tgtacagtat agaaacctcc atttttgcct tcgaatgcat atttaagagt
                                                                     3000
taacagaatg aaaaaaaaa gtcttgttgg ataatagtgt ttgactagcg ttttaagaac
                                                                     3060
tta
                                                                     3063
```

```
<210> 6841
<211> 5229
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (304)...(4304)
<223> similar to gi3757822 in the genepept database release 114,
```

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<400> 6841
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teccetggag ggegeeteea teettggagg cetagtgeeg teggagaaga gagegggage
                                                                      120
                                                                      180
cgcggacaga gacgcgtgcg caattcggag ccgactctgg gtgcggactg tgggagctga
                                                                      240
ctctgggtag ccggctgcgc gtggctgggg aggcgaggcc ggacgcacct ctgtttgggg
gtcctcagag attaatgatt catcaaggga tagttgtact tgtctcgtgg gaatcacttc
                                                                      300
atcatgcgaa atctgaaatt atttcggacc ctggagttca gggatattca aggtccaggg
                                                                      360
aatcctcagt gcttctctct ccgaactgaa caggggacgg tgctcattgg ttcagaacat
                                                                      420
ggcctgatag aagtagaccc tgtctcaaga gaagtgaaaa atgaagtttc tttggtggca
                                                                      480
gaaggettte ttecagagga tggaagtgge egeattgttg gtgtteagga ettgetggat
                                                                      540
caggagtetg tgtgtgtggc cacagcetet ggagaegtea tactetgcag teteageaca
                                                                      600
caacagctgg agtgtttgg gagtgtagcc agtggtatct ctgttatgag ttggagtcct
                                                                      660
gaccaagagc tggtgcttct tgccacaggt caacagaccc tgattatgat gacaaaagat
                                                                      720
tttgagccaa tcctggagca gcagatccat caggatgatt ttggtgaaag caagtttatc
                                                                      780
actgttggat ggggtaggaa ggagacacag ttccatggat cagaaggcag acaagcagct
                                                                      840
tttcagatgc aaatgcatga gtctgctttg ccctgggatg accatagacc acaagttacc
                                                                      900
tggcgggggg atggacagtt ttttgctgtg agtgttgttt gcccagaaac aggggctcgg
                                                                      960
aaggtcagag tgtggaaccg agagtttgct ttgcagtcaa ccagtgagcc tgtggcagga
                                                                     1020
ctgggaccag ccctggcttg gaaaccctca ggcagtttga ttgcatctac acaagataaa
                                                                     1080
cccaaccagc aggatattgt gttttttgag aaaaatggac tccttcatgg acactttaca
                                                                     1140
cttcccttcc ttaaagatga ggttaaggta aatgacttgc tctggaatgc agattcctct
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gtgcttgcag tctggctgga agaccttcag agagaagaaa gctccattcc gaaaacctgt
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gttcagctct ggactgttgg aaactatcac tggtatctca agcaaagttt atccttcagc
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acctgtggga agagcaagat tgtgtctctg atgtgggacc ctgtgacccc ataccggctg
                                                                     1380
catgitetet gicagggetg geattacete geetatgatt ggeactggae gaetgaeegg
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ttggtgacag tetteeggea gaetgtggtt cegeeteeca tgtgcaceta ecaactgetg
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ttcccacacc ctgtgaatca agtcacattc ttagcacacc ctcaaaagag taatgacctt
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gctgttctag atgccagtaa ccagatttct gtttataaat gtggtgattg tccaagtgct
                                                                     1680
gaccetacag tgaaactggg agetgtgggt ggaagtggat ttaaagtttg cettagaact
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cctcatttgg aaaagagata caaaatccag tttgagaata atgaagatca agatgtaaac
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ccgctgaaac taggccttct cacttggatt gaagaagacg tcttcctggc tgtaagccac
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gaagagcatg gacagctcaa tgtcagttca tctgcagcgg tggatggggt cataatcagt
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aagtacettt gggagteace ttetetgget attaaaceat ggaagaacte tggtggattt
                                                                     2100
cctgttcggt ttccttatcc atgcacccag accgaattgg ccatgattgg agaagaggaa
                                                                     2160
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                                                                     2220
aatatcacgt catttgcagt atatgatgag tttttattgt tgacaaccca ttcccatacc
                                                                     2280
tgccagtgtt tttgcctgag ggatgcttca tttaaaacat tacaggccgg cctgagcagc
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aatcatgtgt cccatgggga agttctgcgg aaagtggaga ggggttcacg gattgtcact
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gttgtgcccc aggacacaaa gcttgtatta cagatgccaa ggggaaactt agaagttgtt
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catcatcgag ccctggtttt agctcagatt cggaagtggt tggacaaact tatgtttaaa
                                                                     2520
gaggcatttg aatgcatgag aaagctgaga atcaatctca atctgattta tgatcataac
                                                                     2580
cctaaggtgt ttcttggaaa tgtggaaacc ttcattaaac agatagattc tgtgaatcat
                                                                     2640
attaacttgt tttttacaga attgaaagaa gaagatgtca cgaagaccat gtaccctgca
                                                                     2700
ccagttacca gcagtgtcta cctgtccagg gatcctgacg ggaataaaat agaccttgtc
                                                                     2760
tgcgatgcta tgagagcagt catggagagc ataaatcctc ataaatactg cctatccata
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cttacatete atgtaaagaa gacaaceeca gaactggaaa ttgtactgca aaaagtacae
                                                                     2880
gagetteaag gaaatgetee etetgateet gatgetgtga gtgetgaaga ggeettgaaa
                                                                     2940
tatttgctgc atctggtaga tgttaatgaa ttatatgatc cattctcttg gcacctatga
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ctttgatttg gtcctcatgg tagctgagaa gtcacagaag gatcccaaag aatatcttcc
                                                                     3060
```

```
atttcttaat acacttaaga aaatggaaac taattatcag cggtttacta tagacaaata
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                                                                    3180
agaatgetta aacttgataa aagataaaaa ettgtataae gaagetetga agttatatte
                                                                    3240
accaagetea caacagtace aggatateag cattgettat ggggageace tgatgeagga
                                                                    3300
gcacatgtat gagccagcgg ggctcatgtt tgcccgttgc ggtgcccacg aqaaaqctct
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ctcagccttt ctgacatgtg gcaactggaa gcaagccctc tgtgtggcag cccagcttaa
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ctttaccaaa gaccagctgg tgggcctcgg cagaactctg gcaggaaagc tggttgagca
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tgtgctcttg ctgttagaag gagctgcctg ggaagaagct ttgaggctgg tatacaaata
                                                                    3600
taacagactg gatattatag aaaccaacgt aaagccttcc attttagaag cccagaaaaa
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ttatatggca tttctggact ctcagacaqc cacattcaqt cqccacaaqa aacqtttatt
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ggtagttcga gagctcaagg agcaagccca gcaqqcaqqt ctqqatqatq aqqtacccca
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ageggagegg aagaageaca geeteaaaga aggeagteeg etqqaqqaee tqqeeeteet
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ggaggcactg agtgaagtgg tgcagaacac tgaaaacctg aaagatgaag tataccatat
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gcagaattca gctaccccgg ttctaggtcc caattctact gcaaatagta tcatqqcatc
                                                                    4200
ttatcagcaa cagaagactt cggttcctgt tcttgatgct gagcttttta taccaccaaa
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                                                                    4320
ggatccgaca gagaagacca tttccactca ttcctgttgt cctaccaccc cttqctcttt
                                                                    4380
gagggctggc tattgagaac tggaaagagt aaaatgataa cttaccttag cattgccaag
                                                                    4440
aacttcagca gacaacaagc aattctattt attttatgtt gtgtatacat cttgatcatt
                                                                    4500
agcaagacat taagctttaa ccattatggc accattttgt gagaatgatt gttctttcac
                                                                    4560
ttgggctgtt tgagagcata attatggtaa tcatgagatt aatgtttcat qatttctacc
                                                                    4620
tccaaagtgt gaagacaagt aaaacaatgt ttctaaattg tcttattttq ttqqcqqaqa
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agattacaat ggctattagt gctacatttg gtcaaatgta atcacttaaa tagcttcttg
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tcaccttaaa ctaaagcaga ataaaaagta tcctttgaaa ttataagccc tcctttgctg
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acagctatta ttttgtaaca tcttaccagg tcatgtgctt tcagttataa ctgggctgag
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cctcctataa ttacaatgtc tatagggact gttttactgc ctgtgtattt tctgctagag
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agttagcaat gttagagcta gaacagatta gaatttctaa acagtatcat gcacagttqq
                                                                    4980
tgtgagtgat cagtgtgcat tgtatggcat gcatggttgt gaattattct ctgttctcca
                                                                    5040
aatactgttt ctttaactca gatatttttg ttagtgtcta ggccacttca tttatttttc
                                                                    5100
gtcatggtac ittactgact tctctttatt caattctcca cgccctcacc aaaaaaaact
                                                                    5160
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                                                                    5220
attaaaaat
                                                                    5229
```

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<210> 6842
<211> 714
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (379)...(222)
<223> similar to gi213591 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6842

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ttttttttt ttgttttcca gttttgtttt tctgtactaa aaatatctag tgggtgctag
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                                                                      120
tacctctggt ttctgtctat tggttgcatc tctgtgaaca ctgaagagag gctattccaa
                                                                      180
atatecteca ggecaateet gaccegttte caaaaageca gggetgggea ggggetggeg
                                                                      240
                                                                      300
ggtggcaggc tgggactgct tetgaggtgg atggtgggga agggggtagt ggtggteetg
gtactggtgg tgctctgaga ggcacagttg gtgtcagtac agagacttgt gtccaggggg
                                                                      360
cactetteee gaagteggtt geagggaeat tgttgatagg tgeaaggett gtgeteegtg
                                                                      420
eggagetgge teagegeeee aactegaagg egeeeggaaa ggeegtgeag etteeeagae
                                                                      480
eggeteegge teatggtgee egaettgeag tggeagtgee aegggeecea gggeateage
                                                                      540
accageegea gateeteagg agatggeatg getgtgggtg agggtgaegg eeaceggete
                                                                      600
ggggtagacc caggtgtgga ccactggctc agggtggcct gcgagcctgg caggtcctca
                                                                      660
gtagacetee egggggageg eggeaggett gaagteagee tgattteagg etee
                                                                      714
```

```
<210> 6843
<211> 3603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (34)...(3475)
<223> similar to gi402647 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
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<400> 6843

tgcggtcaga ggagcaggag gaggtccccc gacatgcctg aggcaaaacc agcggccaaa 60 aaggccccca aaggcaaaga tgcccccaaa ggagccccca aggaggctcc ccctaaggag 120 gctcctgcag aggcccccaa agaagcccca cccgaggacc agtccccgac tgcagaggag 180 cccaccggcg ttttcctgaa gaagccggac tccgtctcag tggagactgg gaaggacgca 240 gtggtcgtgg ccaaggtgaa cgggaaggag ctcccagaca aaccgaccat caagtggttc 300 aaggggaagt ggctggagct gggcagcaag agtggcgccc gcttctcctt caaggagtcc 360 cacaactccg ccagcaatgt gtacaccgtg gagctgcaca ttgggaaggt ggtactgggg 420 gaccgtgggt attaccgcct cgaggtcaaa gccaaggaca cctgtgacag ctgtggcttc 480 aacatcgatg tggaggcacc ccgtcaggat gcctctgggc agagtctaga aagcttcaag 540 cgtacgagtg aaaagaagtc ggatactgca ggtgagctgg atttcagtgg cctgttgaag 600 aagagggagg tggtggagga ggagaagaag aagaaaaaga aagatgacga tgacctaggc 660 atccccccgg agatttggga gctcctgaaa ggggcaaaga agagcgagta cgagaaaatc 720 gccttccagt atggcatcac cgacctccgg ggcatgctga agcggctgaa aaaggctaag 780 gtcgaggtca agaagagtgc agcattcaca aagaagctgg atccagccta ccaagtggac 840 agaggcaaca agatcaagtt gatggtagag atcagcgacc cagacctgac cctcaagtgg 900 ttcaagaacg gccaggagat caaaccaagc agcaagtacg tgtttgagaa cgttggtaag 960 aagcgaattc ttaccatcaa caagtgcacg ctggcggatg acgctgccta tgaagtagct 1020 gtcaaggatg agaagtgttt caccgagctc ttcgtcaaag aacctccagt cctaattgtc 1080 acacctettg aggaccagea ggtgtttgtg ggtgaccggg tggaaatgge agtggaggtg 1140 tcagaagagg gtgcccaggt gatgtggatg aaagatggtg tggaactgac tcgggaggat 1200 teetteaagg eeeggtaeeg etteaagaag gaegggaage geeacateet eatettetea 1260 gacgtggtcc aggaggacag gggtcgctat caggtcataa ccaatggcgg ccagtgtgag 1320 gccgagctga ttgtggaaga gaaacagctg gaggtcctgc aggacatcgc ggatctgacg 1380 gtgaaggeet cagaacaage tgtgttcaag tgcgaggtgt ctgatgagaa agtgacggge 1440 aagtggtata agaatggggt cgaggtgcgg cccagcaaga ggatcaccat ttcccatgta 1500

```
ggcaggttcc acaagctggt gatcgatgac gtccgccccg aggatgaggg agactacacg
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tttgtgcctg acggctacgc ccttggttcg ctctcggcca agctcaactt cctggaaatc
                                                                     1620
                                                                     1680
aaggtggagt acgttcccaa gcaaagagcc accaaagatc ccacttggat ttgcctcggg
gggaaagacc tcagagaatg ccgatttgtg gttgtggctg gaaacaagct gaggcttgac
                                                                     1740
gttgtccatc acaggggaag ccccctcccc gttcgctacc ttggctgaag ggagaatgag
                                                                     1800
                                                                     1860
gtattcacga ccaccgaggg caggacccgc atcgagaagc gggtggactg cagcagcttt
gtgattgaga gtgcgcagcg ggaagacgag ggccgctaca ccatcaaggt caccaaccc
                                                                     1920
ateggegagg aegtggette catetteetg caagttgtag atgteecaga eeceeeggag
                                                                     1980
gctgtgcgca tcacctcggt tggagaggat tgggccatcc ttgtctggga gccaccaatg
                                                                     2040
tacgatgggg ggaagccagt caccgggtac ctcgtagagc ggaagaagaa gggctctcag
                                                                     2100
cgctggatga agctgaactt tgaggtcttc acagagacca cctatgagtc caccaagatg
                                                                     2160
atcgagggca tectetatga gatgegtgte ttegeegtea atgetatagg ggteteeeag
                                                                     2220
cccagcatga acaccaagcc ttttatgcct attgcaccca cgagtgaacc cctgcacctg
                                                                     2280
atagtggagg atgtgacaga caccaccacc acactcaagt ggaggcctcc gaacaggatc
                                                                     2340
ggggcaggtg gcatcgatgg gtacctggtg gagtactgcc tggaaggctc cgaggaatgg
                                                                     2400
gtccctgcca acaccgagcc cgtggagcgc tgtggcttca ccgtcaagaa tctcccgacc
                                                                     2460
ggagccagaa tcctcttccg agtagttggg gtcaacatcg cggggcgcag cgagccggcc
                                                                     2520
accetggeee ageeggteae cateagggag attgeggage cacecaagat ceggetteee
                                                                     2580
egecatetee gecagaceta cateegeaaa gtgggegage ageteaacet tgtegteeee
                                                                     2640
ttccagggaa agccccggcc ccaggtggtg tggaccaagg gcggggcccc gctggacacc
                                                                     2700
tecegegtge aegtgeggae cagegaette gacacegtgt tettegtgeg ceaggeggee
                                                                     2760
cgctccgact ccggggagta cgagctgagc gtgcagatcg agaacatgaa ggacaccgcc
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accatcegca teegegttgt ggaaaagget gggeeeecca taaaegtgat ggtgaaggag
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gtgtggggca cgaacgcgct ggtggagtgg caggccccca aagatgatgg gaacagtgag
                                                                     2940
atcatggggt atttcgtcca gaaagcagac aaaaaaacca tggagtggtt caacgtctat
                                                                     3000
gaacgtaaca ggcacactag ctgtactgtg tccgacctta tcgtgggcaa tgaatactat
                                                                     3060
ttccgagttt acaccgagaa catctgtggg ctcagtgact cacctggtgt ctccaagaac
                                                                     3120
acggcccgca tcctcaagac aggaatcacc ttcaaaccgt tcgagtataa ggagcatgac
                                                                     3180
ttccggatgg ctcccaagtt cctgacacct ctcatagacc gcgtggtcgt ggctgggtac
                                                                     3240
teggeageee teaactgtge tgteagagge caccegaage egaaggtggt etggatgaag
                                                                     3300
aacaagatgg aaatccgtga agatcccaag ttcctgataa ccaattacca aggagtcctg
                                                                     3360
acgctgaaca tecgtegeec etegeeette gacgetggga ettacacetg eegggeegte
                                                                     3420
aacgagctgg gcgaggcgct ggctgagtgc aagctggagg tccgagtgcc gcagtgagac
                                                                     3480
ctgtccccta cctgccaaga caattggtgg tggagtcctg accccaatcc ccaacctccc
                                                                     3540
aggactgtgt tctttctgga gttttcgctg agaacaaaac agtgttgtct ggaaaaaaaa
                                                                     3600
aaa
                                                                     3603
```

```
<210> 6844
<211> 4264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3962)...(0)

<223> similar to gi5257005 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6844
cttttagaaa caaaaatcaa ggattgcaca aactatggca ttttatttca gagcctttgc

```
cttacatttg tacaatatat tacataattc ttcattgttt gcagatccta atatatactt
                                                                     120
tatagetttt attetataag etttttett caacattttg etgteaacaa atetttacag
                                                                     180
tcctgtacaa atttgaataa cttgaaacca ttttcaacaa aattagttac tgtaagcaca
                                                                     240
                                                                     300
cactacaaga ctgaaaatgc ttttcttaga aaagttgaat gtaaaggatt ctgacacgtt
agcatctaca acaaaacgca ttgaaattcc cacgtcgtat tgccaggaaa caaagaaaac
                                                                     360
atgccagccc catccaaaaa aagtacacag aactacaatt aaaacagtaa aacagtctgt
                                                                     420
acaataaagt actgtgtatt aacagtgcca gatattaaat agcttgaatg aacacatcca
                                                                     480
caatatacaa atgtcttaca aaggtgaaga attaaataca agtgccaaac agaacagaga
                                                                     540
ttggaatcat acaacataaa gtcaatacaa gtgaaaacaa ttttgcattc attttggatt
                                                                     600
ttatacaagg catttaattt tataggccta ccacccccat tagctattta tatttaaaat
                                                                     660
aaccaccatc cttttgagac agttcctatc aacaatcttg aaccatacta atacattact
                                                                     720
780
gtatttaagg gaaaagaaac atttacaaga aaacacaaaa atataactgt tataattcat
                                                                     840
tatgaataaa tatacacttt gaactggcta agtacaatct ttatacattg tttaagattt
                                                                     900
aatacagttt attagccatt ttcttttttc acacaatgta tatcaaaatt aaaaaaaaat
                                                                     960
actgatttat agaaaaatgg caaagtacag tagttccatt ccaatttgaa gggccatgaa
                                                                    1020
aagccactgc aagacctttt agcctaattc aaacctgtaa acatgttcag tcttttttaa
                                                                    1080
agagaatett taatatttgg ttaccaggat tgatgtetaa tateetgtta aetgeaggtt
                                                                    1140
ttgaatttat tacatgtget tgacttatac aattaaagee accetaaggt gacttgettt
                                                                    1200
aaaaaacaat taccttgtac aaatgaaaat aggttcatat tttttcataa ataaatggaa
                                                                    1260
aaatatcaaa tgttccagca tttaacaaaa tacaagggaa tacatataca gtaagttatc
                                                                    1320
ttaacatgtt ctgacccacc ccttaactat gcttactgta ttgtctctac aggcagtgaa
                                                                    1380
aagcetecat ttgecacagt ggaaggeett ecagttacea gacacacaat teecaqacaa
                                                                    1440
gttggaaaca attattgctt gaggaaaagc agttcattgt actttttctt cataaaaaag
                                                                    1500
tgcacttaag tgccaagtca gcttgtcaag aaacaatttt taaatataaa atagtgcttg
                                                                    1560
tetgatattt ttttgtgeea etgtgeagta taaaaaaaaa gtggeeetea acageeatta
                                                                    1620
agtgcaaagt gctttagcaa gtcctgctgt cacctgcact caactgacat tccattttgt
                                                                    1680
gatgcgctgg acattgacgg ttcagctaaa gttaacataa cagcagctgt tatggaactg
                                                                    1740
gatgaaggtg aagaggagga tgaggatgta gcagcacttt ctctcttt cttctttaaa
                                                                    1800
cgctttctcc tccgatcaat ggaagctact tcagatttta atgacagata atgttttctg
                                                                    1860
atttettgaa gtttttettg aagaattgtg atgegttegg eaettgteat atttteeagg
                                                                    1920
teegacatet gaaaaeteea titgtaaaet tigggtaate gattaetggg tieetigaga
                                                                    1980
tcaggatcct tatcaccatt ctttccacat tttcctggag actgcgtcct tgcgggagat
                                                                    2040
ttggtactat gagacttcat tccagtggaa actgatttga ctggctgact cttagttata
                                                                    2100
ctttcaccag ctgaaagttc ttcactatca ctactatttg tgccttttcc cttctttttg
                                                                    2160
ttgtttacca ctgttgcttt atggcttctt ttctgctttt ttgatgaact tcctcctccc
                                                                    2220
tgagcatctt tcactctttt ctgacctgta caggcttttt caggatgttc tggttctggc
                                                                    2280
tgattactac tgctcgagct cacactggca tcaaaacctg ctggcgagct attccctttc
                                                                    2340
agactggagg tettggaget ecceageaac actatecace teaattgtge tateagttte
                                                                    2400
actettgata ettegaacet ettettggtt tggageeagt ggttetgata etgttacaga
                                                                    2460
agactgctgc cggctgcctt tctgttacag tgactgatga aggcgattca ggtgtaagta
                                                                    2520
aggaaggggt atttaagcac tgaaattact gccactactt ggaaattctg cttttctgtc
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attgacctct actgtttttt cttcaatggg tttactatcg acattgactg gaggtggttt
                                                                    2640
ttctagttct acactgggtg aacaactctc ctcttcagcc acagtctgca gtgactcctc
                                                                    2700
tgccaccccc tcctctgggg caggatgcgg tggggaagct gcagcctcag tatcagagtc
                                                                    2760
tgaaaaaagc tctttcagcg tttttttagg ccactgtccc tgaatacttg accagacatc
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ttttcgatct ttggccctgc tgttttgaag tctttcatca gagttattta aaagtttaat
                                                                    2880
ccttttttct gccacttctg aaaatcctga atagaaacca gttgtccgta gagattttct
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tttttcctcc aaaccattgt atttcttagt tggtgtcatc tttgcttttg tttcttcttc
                                                                    3000
atcttcatct gaagagctgt tgctactgtt ttccatgcaa agtgattctt tgttcttggc
                                                                    3060
cttctcttcc tttttgccag gtgatccagt ttttagacac tcttctgtat tgcaatacct
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tcttttacca cgttttattt gtggttttga agatttatct gttgtgtcct tcttgacatc
                                                                    3180
ctttctcttt tttgtgactt catcttcttc ataatcagta tcttcggata atacttctat
                                                                    3240
atctttcctt aatctttctg gagattttga cactggtttg gatattacca aatctgcatg
                                                                    3300
aactttgttt tcttctagca aagatgaact gttctgttcc tcctttgaaa taagatcatt
                                                                    3360
totgttgttg gtcaaatgat caatcttaga ttcctctttg ccattattat ccatgtcttg
                                                                    3420
agcacctete teatetteet geteaetgte tteageagaa ettteagaag ettgaagtee
                                                                    3480
```

```
attaaggatc gaagtaattt ctatggactt aatatgagca gtatcagagt ttttggcatc
                                                                     3540
agtgagatcc agtttggata ccatttgcag gagatgggat ttgtctgaaa tggtgggttt
                                                                     3600
gggccaagcg ccgaagttta cagttttttg gagagtattt ttcatctttg tcttttctt
                                                                     3660
tgtctaattt attctttatt ttcttccgat gttttatctt tggcacattt ttatcagcag
                                                                     3720
gtcttactat tttatctgct ttaatccatt catcgtatct cacattccat ccgcagtaat
                                                                     3780
gcaccaagta aaggacctct ccaccttcga catcagaatc tttaatacta gcttcataca
                                                                     3840
ttttttgatt tttccctcgt ccataccgca cttggacttt catgcctggt ggatagcact
                                                                     3900
caaactecte tteeteattq ttqteateat catetteate etettettet tetteeteet
                                                                    3960
ceteeteete ttetgettet teateatett catettette tttattegtt teateteeag
                                                                    4020
attitigetti tietteetea gettetaeet tiatgitigag ggatteatet accetagitig
                                                                     4080
tgtcatcatc tttgtcatcc agattttcat tgtcttctgg ttttttaatq ttaacttctt
                                                                    4140
tttcctgatc agaatgtgta ggtatagatt ctaataaatt ctttttactt cccagagagg
                                                                    4200
gcttaatatt ttcttttctt tcaatttcat cctcaatagg cttttcttct cttggtatta
                                                                     4260
tatt
                                                                     4264
```

```
<210> 6845
<211> 2466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (104)...(2331)
<223> similar to gi413777 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6845 ggcacgagaa ctggggcggg ggggtgtttc ctggacccca gtcctccgaa tcaqctccta 60 gagtggaacc aggaaggatt ctggagccac agaagataga cagatggaag gtggggacca 120 aagtgaggaa gagccgaggg aacgcagcca ggcaggtgga atgggaactc tctggagcca 180 agagagcact ccagaagaga ggctgcccgt ggaagggagc aggccatggg cagtggccag 240 gegggtgetg acagetatee tgattttggg cetgeteett tqtttttetq tqettttqtt 300 ctacaacttc cagaactgtg gccctcgccc ctgtgagaca tctqtqtqtt tqqatctccq 360 ggatcattac ctggcctctg ggaacacaag tgtggccccc tgcaccgact tcttcagctt 420 tgcctgtgga agggccaaag agaccaataa ttcttttcag gagcttgcca caaaqaacaa 480 aaaccgactt cggagaatac tggaggtcca gaattcctgg cacccaggct ctggggagga 540 gaaageette cagttetaca acteetgeat ggatacaett gecattgaag etgeagggae 600 tggtcccctc agacaagtta ttgaggagct tggaggctgg cgcatctctg gtaaatggac 660 ttccttaaac tttaaccgaa cgctgagact tctgatgagt cagtatggcc atttcccttt 720 etteagagee tacetaggae etcateetge etctecacae acaccagtea tecagataga 780 ccagccagag tttgatgttc ccctcaagca agatcaagaa cagaagatct atgcccagat 840 ctttcgggaa tacctgactt acctgaatca gctgggaacc ttgctgggag gagacccaag 900 caaggtgcaa gaacactett cettgtcaat etceateact teaeggetgt teeagtttet 960 gaggcccctg gagcagcggc gggcacaggg caagctcttc cagatggtca ctatcgacca 1020 gctcaaggaa atggcccccg ccatcgactg gttgtcctgc ttgcaagcga cattcacacc 1080 gatgtccctg agcccttctc agtccctcgt ggtccatgac gtggaatatt tgaaaaacat 1140 gtcacaactg gtggaggaga tgctgctaaa gcagagggac tttctgcaga gccacatgat 1200 cttagggctg gtggtgaccc tttctccagc cctggacagt caattccagg aggcacgcag 1260 aaagctcagc cagaaactgc gggaactgac agagcaacca cccatgcctg cccqcccacq 1320 atggatgaag tgcgtggagg agacaggcac gttcttcgag cccacgctgg cggctttgtt 1380

```
tgttcgtgag gcctttggcc cgagcacccg aagtgctgcc atgaaattat tcactgcgga
                                                                    1440
teeggqatqc ceteateact egecteagaa acetteeetg ggatqaatqa ggaqacecaq
                                                                    1500
aacatggccc aggacaaggt tgctcaactg caggtggaga tgggggcttc agaatgggcc
                                                                    1560
ctgaagccag agctggcgcg acaagaatac aacgatatac agcttggatc gagcttcctg
                                                                    1620
cagtetgtee tgagetgtgt ceggteeete egagetagaa ttgtacagag ettettgcag
                                                                    1680
cctcactcca aacacagcgt gggaggtgtc gcattggacg ctcaatgctt actattcggt
                                                                    1740
atotgaccat gtggtagtot tttcccagot ggacttcctc caacccccat tottcccacc
                                                                    1800
ctggctatcc cagageegtg aactttggeg ctgctqqcaq catcatqqcc cacqagetqt
                                                                    1860
tgcacatctt ctaccagctc tgtggtactg cctgggggct gccttcgcct gtgacaacca
                                                                    1920
tgccctccag ggaagetcae etgtgcctga agegecatta tgctgccttt ccattaccta
                                                                    1980
ggcagaacct ccttcaatga ctccctcaca ttcttaggag aatqctqcaq acqttqqqqq
                                                                    2040
ggctagccat tcgcgcttgc aggcattaca gcaaggaggc tgtttacggg caccatgggg
                                                                    2100
agactgtcct gcccagcctg ggaccttcag cccccagcag atcttctttc gaagctatgc
                                                                    2160
ccaggtgatg tgtaggaagc ccagcccca gggacttttc acgacactca cagccctcca
                                                                    2220
caccteegag ttecaeggge cecteageag geacceeage etttgeeagg tattteeget
                                                                    2280
gtgcacgtgg tgctctcttg aacccctcca gccgctgcca gctctggtaa cttggttacc
                                                                    2340
aaagatgcca cagcacagaa atatcgacca acacctccct ggtcacatcc atggaatcag
                                                                    2400
agcaagattt cctttctgct tctgttccaa aaataaaagc tggcacttgg cttccgcccg
                                                                    2460
qaattc
                                                                    2466
```

```
<210> 6846
<211> 2100
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (38)...(1626)
<223> similar to gi3135025 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6846 agcagcaact ggaaaacaag cattgcattg catcaggatg tctatgaaat ggacttcagc 60 tettetgetg atacagetga getgttaett tagetetggg agttgtggaa aggtgetggt 120 gtggcccaca gaattcagcc actggatgaa tataaagaca atcctggatg aacttgtcca 180 gagaggtcat gaggtgactg tattggcatc ttcagcttcc atttctttcg atcccaacag 240 eccatetact ettaaatttg aagtttatee tgtatettta aetaaaaetg agtttgagga 300 tattatcaag cagctggtta agagatgggc agaacttcca aaagacacat tttggtcata 360 tttttcacaa gtacaagaaa tcatgtggac atttaatgac atacttagaa agttctgtaa 420 ggatatagtt tcaaataaga aacttatgaa gaaactacag gagtcaagat ttgatgttgt 480 tettgcagat getgttttcc cetttggtga getgetggcc gagttactta aaataccett 540 tgtctacage ctccgcttct ctcctggcta cgcaattgaa aagcatagtg gaggacttct 600 gttccctcct tcctatgtgc ctgttggtat gtcagaacta agtgaccaaa tgactttcat 660 agagagggta aaaaatatga tctatgtgct ttattttgaa ttttggttcc aaatatttga 720 catgaagaag tgggatcagt tctacagtga agttctagga agacccacta cgttatctga 780 gacaatggca aaagctgaca tatggcttat tcgaaactac tqqqattttc aatttcctca 840 cccactetta ccaaatgttg agttcgttgg aggactccac tgcaaacctg ccaaacccct 900 accgaaggaa atggaaggag tttgtccaga gctctggaga aaatggtgtt gtggtgtttt 960 ctctggggtc gatggtcagt aacacgtcag aagaaagggc caatgtaatt qcatcaqccc 1020 ttgccaagat cccacaaaag gttctgtgga gatttgatgg gaataaacca gatactttag 1080

```
gactcaatac teggetqtac aagtggatac cecaqaatqa tettettqqt cacccaaaaa
ccagagettt tataacteat ggtggageca atggeateta tgaggeaate taccatggaa
                                                                    1200
tecetatggt gggegtteca ttgtttgeag ateaacetga taacattgea cacatqaagg
                                                                    1260
ccaagggagc agctgttagt ttggacttcc acacaatgtc gagtacagac ttactcaatg
                                                                    1320
cactgaagac agtaattaat gatcctttat ataaagagaa tgctatgaaa ttatcaagaa
                                                                    1380
ttcatcatga tcaaccagtg aagccccttg atcgagcagt cttctqqatt qaatttqtca
                                                                    1440
tgcgccataa aggagccaag caccttcggg ttgcagccca cgacctcacc tggttccagt
                                                                    1500
accactettt ggatgtgact gggtteetge tggeetgtgt ggeaactgtg atatteatea
                                                                    1560
tcacaaaatg tctgttttgt gtctggaagt ttgttagaac aggaaaqaag qqqaaaaqaq
                                                                    1620
attaattacg tctgaggctg gaagctggga aacccaataa atgaactcct ttagtttatt
                                                                    1680
acaacaagaa gacgttgtga tacaagagat tcctttcttc ttgtgacaaa acatctttca
                                                                    1740
aaacttacct tgtcaagtcc aaaatttgtt ttagtacctg tttaaccatt agaaatattt
                                                                    1800
catgtcaagg aggaaaacat tagggaaaac aaaaatgata taaagccata tgaggttata
                                                                    1860
ttgaaatgta ttgagcttat attgaaattt attgttccaa ttcacaggtt acatgaaaaa
                                                                    1920
caatttacta agcttaacta catgtcacac gattgtacat ggaaacaaga acattaagaa
                                                                    1980
gtccgactga cagtatcagt actgttttgc aaatactcag catactttgg atccatttca
                                                                    2040
tgcaggattg tgttgtttta actgttgttg aggaagctaa taaataatta aattqtaaaa
                                                                    2100
```

```
<210> 6847
<211> 3936
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(3937)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (282)...(2886)
<223> similar to gi3043574 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6847
tttcgtggcg gcggcgcaag ggtgagggcg gccccagaac cccaggtagg tagagcaaga
                                                                       60
agatggtgtt tetgeceete aaatggteee ttgeaaceat gteattteta ettteeteae
                                                                      120
tgttggctct cttaactgtg tccactcctt catggtgtca gagcactgaa gcatctccaa
                                                                      180
aacgtagtga tgggacacca tttccttgga ataaaatacg acttcctgag tacgtcatcc
                                                                      240
cagttcatta tgatctcttg atccatgcaa accttaccac gctgaccttc tggggaacca
                                                                      300
cgaaagtaga aatcacagcc agtcagccca ccagcaccat catcctgcat agtcaccacc
                                                                      360
tgcagatatc tagggccacc ctcaggaagg gagctggaga gaggctatcg gaagaacccc
                                                                      420
tgcaggtcct ggaacacccc cctcaggagc aaattgcact gctggctccc gagccccctc
                                                                      480
tttgtcgggc tcccgtacac agttgtcatt cactatgctg ggcaatcttt cggagacttt
                                                                      540
ccacggattt tacaaaagca cctacagaac caaggaaggg gaactgagga tactagcatc
                                                                      600
aacacaattt gaacccactg cagctagaat ggcctttccc tgctttgatg aacctgcctt
                                                                      660
caaagcaagt ttctcaatca aaattagaag agagccaagg cacctagcca tctccaatat
                                                                      720
gccattggtg aaatctgtga ctgttgctga aggactcata gaagaccatt tttgatgtcc
                                                                      780
ctgtgaagat gagcacctat ctggtggcct tcatcatttc agattttgag tctgtcagca
                                                                      840
agataaccaa gagtggagtc aaggtttctg tttatgctgt gccagacaag ataaatcaag
                                                                      900
```

		gcggtgactc				960
		caagatcttg				1020
		acatatagag				1080
		ggcatcacag				1140
		atggaatggt				1200
		tctgtcagtg				1260
		gacgcaatgg				1320
		cctgctcaga				1380
ataagggagc	ttgtattctg	aatatgctaa	gggagtatct	tagcgctgac	gcatttaaaa	1440
gtggtattgt	acagtatctc	cagaagcata	gctataaaaa	tacaaaaaac	gaggacctgt	1500
		tgccctacag				1560
		tcatcctcac				1620
		ctgcagaggg				1680
ggaggaatgt	acacatgaag	caagagcact	acatgaaggg	ctctgacggc	gccccggaca	1740
ctgggtacct	gtggcatgtt	ccattgacat	tcatcaccag	caaatccgac	atggtccatc	1800
gatttttgct	aaaaacaaaa	acagatgtgc	tcatcctccc	agaagaggtg	gaatggatca	1860
aatttaatgt	gggcatgaat	ggctattaca	ttgtgcatta	cgaggatgat	ggatgggact	1920
		ggaacacaca				1980
		ctcgtcagca				2040
		catgaaactg				2100
agctgattcc	tatgtataag	ttaatggaga	aaagagatat	gaatgaagtg	gaaactcaat	2160
tcaaggcctt	cctcatcagg	ctgctaaggg	acctcattga	taagcagaca	tggacagacg	2220
		atgctgcgga				2280
actatcagcc	gtgcgtacag	agggcagaag	gctatttcag	aaagtggaag	gaatccaatg	2340
gaaacttgag	cctgcctgtc	gacgtgacct	tggcagtgtt	tgctgtgggg	gcccagagca	2400
cagaaggctg	ggattttctt	tatagtaaat	atcagttttc	tttgtccagt	actgagaaaa	2460
gccaaattga	atttgccctc	tgcagaaccc	aaaataagga	aaagcttcaa	tggctactag	2520
atgaaagctt	taagggagat	aaaataaaaa	ctcaggagtt	tccacaaatt	cttacactca	2580
ttggcaggaa	cccagtagga	tacccactgg	cctggcaatt	tctgaggaaa	aactggaaca	2640
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aagaaaatgg	ttctcagctc	cgttgtgtcc	aacagacaat	tgaaaccatt	gaagaaaaca	2820
tcggttggat	ggataagaat	tttgataaaa	tcagagtgtg	gctgcaaagt	gaaaagcttg	2880
aacgtatgta	aaaattcctc	ccttgccagg	ttcctgttat	ctctaatcac	caacattttg	2940
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cttcaactca	ttttttgact	atccctgtga	aaagaatagc	tgttagtttt	tcatgaatgg	3060
gctttttcat	gaatgggcta	tcgctaccat	gtgttttgtt	catcacaggt	gttgccctgc	3120
aacgtaaacc	caagtgttgg	gttccctgcc'	acagaagaat	aaagtacctt	attcttctca	3180
ttttatagtt	tatgcttaag	cacccgtgtc	caaaaccctg	taccccatgt	tttatcattc	3240
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cacctggatc	tgagactaag	ccggacgatg	actgggttaa	agctctcccg	gctcacccct	3360
ccagacccgc	tgcccatccc	tcttccttgc	tccatgccca	ggggctgact	tgtaaaggcc	3420
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tggggtcgga	ggaggtagta	ggtggaggtg	ttcttccctg	attcccttgc	gggatgcctc	3540
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tgggagtctg	gcttttacta	gtcctggcgg	acttgtggtt	tctacataat	gtgctcgcac	3720
ttttgcaaaa	aatctttta	tagaaccctc	ctcagataat	tctgagtgag	tgtcatctat	3780
ttccctgact	ggtacagtat	ctcttctgaa	aaagcagagt	gcattcaagt	ctgtaggaaa	3840
acccttttct	tagggaggtg	atttttttc	tctctctgct	tcttatttgg	cctactttaa	3900
caatttctna	actaaactag	ttattggcca	ttttac			3936

```
<211> 4597
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (3991)...(1514)
<223> similar to gi339711 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 6848 ttttttttt ttcttgttaa cattaatatc tgtagaaaca tttttattgt cagtataaaa 60 attaacaggt tttattaaat actttctcca attttgtaac acataagatc agtgtaatct 120 gcattcatct tgcacggcta ttgcaaagtg agtgggtgtt tccaaagcaa aacacaatac 180 tttagtacag aaggaacaac ggcgatattt tgtctgatgt aggtatgagg ctggatcttt 240 tggtgaggtc ctgccagaat tagatgaaag caatccctta aaaagatgga cgtatcccca 300 aaactatcag cagaacaact ctgtgtttca attttctatg atgggacttg aagatcctaa 360 caggogtoto caacgocaaa gagtotggaa gocattatoa aaattoactg aagagaatac 420 aggctaatct gattaatgtg caactcagaa gcagaaggcc agctgccaga gagaagcaca 480 ttctgctatc atttcaacta aggtctgtcc tcaaggaatg ggatttaggc atcttttaag 540 aagaaccctg gcaacattta tccttgggaa gtcccagtta gacgttgcgt tgacgtaatg 600 aacagggttg cacaccaaaa tgaaacacct tcctatgaat gagttctttt aatatggggc 660 atttaggagg tctaagaaca atcgtctgac agcagcattt aaacacaaat aaatcaaaac 720 ttcattttcc ccaaattagt catatttgt aaatattctc ttttcaaagg atctgataac 780 tagttaagtc caagcaatag attaactagt ctgctgtgct gcctgcatag aaatgccact 840 taaattacaa aaaaaactat aaatgattaa ttgttttgta tattaccaat ttattaataa 900 attaacgtta taccattttc cctgaaagca aaagtatttt tccacctctg ctcggtgaaa 960 attaagaaat tatgtgtaag aacagcattt agcaaatagc tattaaaaaa agagagacca 1020 attttctagg tgcattggga catccattta aaatcaatac aaaaaataac tccttgtaaa 1080 tatataatat atatttatac ataatttgaa tatatttaca tacatccagc acctatatac 1140 tgcatttgtg ctctgtaagt gtgtgctgac ataaatcttc tccaattatt acaaaattaa 1200 caaggaaggc agaacgcacg tccaccttga gtcctactgg tccacagcca atacgcacgg 1260 caggtgagag gggttacatg gtggcttgtg gcagtccact gctccagaaa ccttcttctc 1320 ctcctgggga agattacaag ttttcaactg tataaatctt tacacatatg ctgattactt 1380 ttccaattat ttactcctct gatccatata tacaagtgga gacaacaagc tctgggaggc 1440 atggtctccc tgctcagtgt agctaggttc ccagtgctgt cctgtttggg gacaggcaga 1500 cacagtcatt catgttttaa cactgccgtt tatgtgtgga tactgaggaa ggcatggttc 1560 gtaaggcatg gggtctggag aaaaaacaga atcatctcct gaagaacaag aacttcttgt 1620 gtcagggtaa ctaggtgaat actgttcgag aggttggctg aggtccaagt attcctcatt 1680 ggttgtgaga gtgagaattc gatccaagtc ttctaccaac tgcttgaacg ttggtctctg 1740 ggagggcact gcatgccaac agtccctcat catcatgtac agttcgttgg tgcagttggc 1800 tggcttatcc attctgtgtc cttccttcag cagcttaaaa agttcctcca cgggaatccc 1860 tgggtagggc gagcccccta aagtgaagat ctcccacatt aacaccccga aggaccagac 1920 atcactctga tgagtgtata ctctatcaaa cagggcttct ggagccatcc acttgactgg 1980 aagccgccca ttggtggtct ttttgtaata gtctatattg ttgatatctc tggcgagtcc 2040 aaagtctgct attttcatca cattgttttc tgttaccaaa acatttctgg ctgctaaatc 2100 tcgatgaata catttttggg aagccaagta ctccatgcct ctggccagct ggtaggtgca 2160 tgacaccaag tccttgaagg tcatctgctc ctcaggaaca cggttaatgt cataggagta 2220 ctccatcccg ggtggcctcc gggctcggag gtattctcgg aggttgcctt tagaggcata 2280 ctcaactatg acatagagag gcccatcctg tgtgcaggct ccaagaagat ttatgatatt 2340 cttgtgtttc ccaatcatct tcatcatctc catctctgac accagatcag aaaggtcttt 2400 ctctgtggca tcatctttca acatcttcac ggccacggtg accgcctcct tgggcttgtc 2460 tttgtcaatt cccactgctt ccgccatgac cacttgccca aagcaacctt ctcccagggg 2520 cttgcccagt gtcagcttat ctcttggaaa ctcccatttt gggtcctctg gaagttcata 2580

```
cteggagacc cctgccagca tgggggtgtc tgccgttgaa gagaggcgtg ttgttatcct
                                                                     2640
                                                                     2700
caccageggg gtgttggagt teatggagga getggaetea geegaaaetg ttaeetgtet
ccgcaggggg atacgtttgg tcagcttgtg cacagccggc tggctgctga agtctggctt
                                                                     2760
cttggtcgtg ttcttcattc ggcacaggat gactgttacc accatacagg cgattaagaa
                                                                     2820
gacccctatg cagtaaatgg ctatctccag gtagtctggg gaagctgtaa tctccttttc
                                                                     2880
                                                                     2940
tettecagge getggeagaa etgteaacca tgeagagtga aaggatatee caatagaatt
accegecaag caegtatatt ecceagegte etcaaaagtt acatteegaa tatagagaac
                                                                     3000
ctcaatctct ttgtccgtgg tgttaacacc ggcggccttg agaaccttga gaaccttgag
                                                                     3060
gtagggcagc ccgtcgggcc cgtatttact gccgttcttt tccacgtgct tgatccactg
                                                                     3120
gatgtggggc tgggcatcac tgtaaacctt gcagacaaac tctacgtctc ctccgaccac
                                                                     3180
tgtggaggca tttgccggca gtccggcttg gaggatgggc cggtgaggcg atcgctccac
                                                                     3240
aacatccagg tggtacgtgt gattgatgga cccgtattca ttctccacca cacaggtata
                                                                     3300
atttcccttg tcagatggga ccacactttc cataatgagg ctccagtgct ggtttcgtac
                                                                     3360
cttgtagcct ccaatgcgat gctcctgctt aaactccttc ccgtttttca gccaccgcat
                                                                     3420
ggttggcatt gggttccccc cggctgggca gcgaaacttg acagtgttgg ccgcaggcac
                                                                     3480
agcatggage egetttteea tettttetgt gttggteeag tatggtgete tettgttgtt
                                                                     3540
actgttctca ctgacaaaat cttccgcacc atcgggtgtc atcctcatca tctccggatg
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agatggcatc tgtgacattc accatgaagt acccaagttt cactgtctac agtcctactg
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gcagtacaag catagaggcc ggagtctcta ggcgtggcgc cctttatctg caagtactcc
                                                                     3720
ccaataagca ctgtcctatt gttgggcccc aagtgcaccc catccttagt ccaactgatc
                                                                     3780
acggcggcat ctttcaacag gcagcgcacc tctagcgact cccctggcgc agccacgtac
                                                                     3840
acticitggit gagagatitg gtattiggit ggtggctctt ciggctctaa tqtqqtatcc
                                                                     3900
tcaactaaac tgaaggaggg ccgggccagg gacaaggttg ccatqqtqac cacqaccaqq
                                                                     3960
cagatgaaac gaccccagct gaccatggtt acggtaccaa tccccggtcc tcttccatat
                                                                     4020
ctccatgtgg acgttaatcc catctgcaca cttcctctac gggcatggac tacgcgcaat
                                                                     4080
gccttcagcc tgcggtgggc tcaggaaccg aggcgctgcc gctgctgctg cagtcacttg
                                                                     4140
aatggcaacg ctcctccgcg acctgtgttg tccccgcgcc ccgcgtgggt cgggatggag
                                                                     4200
aaagcgacga gcccggggtt gtggggagca actccaaacg cagaagagtg gtccttgggt
                                                                     4260
cttcgccggc gccaagcctc ccgggcttca gcgcgtaccc caggctgcgg aggagcgcgg
                                                                     4.320
gcatgacgcc cgcgggctgc cctcggattt ggggaacgag aggaagaaag gactcaggct
                                                                     4380
tggcgttgcc tccaccaaac tttgctcgcg agttgcgaag gctcagagcg cgcaggcaag
                                                                     4440
ctgeggeete ggggeeceeg gggetegegg ceggeeceeg ccageeegga gageagtege
                                                                     4500
cgcgccgggc caggtacgcc gcatgcagcc ccgcggcgcc cgagctttgt ggcggccgcg
                                                                     4560
cgcgctccct cgcccgctcg gtagcagtcc acagatg
                                                                     4597
```

```
<210> 6849
<211> 867
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (753)...(133)
<223> similar to gi603903 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6849
actagtatgc tacattccca aattttcatt tggagatttt attttgaata gagggaaaat 60
tatctgcttg tatagtccat ggcagagcca gtggaatgca gagggagaag tagggtctca 120
cttgtcctta gcagtgttct caatccagga tacatatttg taaacattgg tgtagatgcc 180
```

```
gacgtcccct cccatgaagt gccccacctc gattccctgg agcttgtctt tgcagatgac
                                                                      240
agtagcaacg gccacctccc caaaaattcg gctgaatact ttcacaaatt tcacacataa
                                                                      300
ggaatteetg tggettttte ettgttetgt tttttggeat tetegateag acateaeggg
                                                                      360
ggcctccagg ttctgccgca agtcagggtg tcggccactg ttttcttggc tccagtccaa
                                                                      420
acctgagagt agacagacag tgcctggcct gacattggtg gtggcgaggg ttaagggctt
                                                                      480
ggactttggg attgagcatg gcaggcttag ccagcttgat gagcatgagg tcatcctgtg
                                                                      540
gggcgctatg actgtagttc cagtagcgga cgatctgaat ggggttaatt gtctgttcag
                                                                      600
taccgtctct gactctqctc ttqaaatttc ccaqcatcac tttcaqattt qqtaaataqc
                                                                      660
agtgagetgg ggecageace cagetgggtt tgatgaggae geceaeacag gggttgaagt
                                                                      720
gagacttgag gtacaccaaa tagggagcag ggtcttcttt ctgaacagat gagtcagcaa
                                                                      780
agaaaaatgt cccagcgagg acacccaaat agaaqacata tttcatqqtq atccaqctct
                                                                      840
tccccttag ctcagggagt aagtgcc
                                                                      867
```

```
<210> 6850
<211> 4615
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (969)...(4265)
<223> similar to gi3882275 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6850 agccatttta cttatgggaa acagtgtggc gtattctgct gagcttcgcg ctggaagaag 60 cctcttttat acatctcttc agggaagaga gaagcaatgg gcatgttagt atacaatgat 120 cacagccacg caggcctgca agctgccttt tggacaggct gttgactgcc gttccaatta 180 gctgattgga gaatgtggaa tgcagagtga taatgctgca tatctgctat caggcagcag 240 caaaggtttt tgtcttggga aggcaagctt tccctgcaat attatctcag cagctcccta 300 gctgcttacc ctgaaaacga gggatccaaa cggagggtgt tgcactctgc taacgctggt 360 cetgtgegtg getgtggeat atgageggea ggtetgaaaa ageaggtgtg tgetgggaeg 420 ggcactggac tggaacgcag gcggacgctc tcgggtttac ctgcttcctg ttaacagatt 480 gtgggctccc agggcatatg tctgcacgct gaggccgagg cggagaaggg gcttcctgag 540 cgtcccagta cactgacaga gacacttgga ttggacttaa tcttaaacct ctggagttca 600 agacctttta aaaagggcta aataaacaat ctctacatgt aaaaggccac tgactcctac 660 ttcctctgta tagagcaact gttgaactca gctgcctgta ggaaaactga agactttaat 720 aacaaactct ccaaggtgaa aatgaacaca gcggtgggtg tgctcgcaaa cgtgccgcca 780 tgtctgttac gctaacatct gtgaagagag tgcaaagttc tccaaaccta ttqqctqcaq 840 ggcgtgattc tcagtcacca gactcagcaa aaggttttag aagcgttcga ccaaacctac 900 aagataaaag atcaccaact cagagccaga taacagtgaa tggaaactca ggaggtgccg 960 tgagtcccat gagttactat cagaggccgt tttccccctc ggcatattct ctcccagcct 1020 cactcaactc cagcattgtc atgcagcacg gcacatccct cgattccaca gacacatatc 1080 cccagcatgc gcagtctctg gatggcacca ccagcagctc tatccccctg taccgatcct 1140 cagaggaaga gaagagagtg acagtcatca aagccccgca ttacccaqqq atcqqqcccq 1200 tggatgaatc cggaatcccc acagcaatta gaacgacagt cgaccggccc aaggactggt 1260 acaagacgat gtttaagcaa attcacatgg tgcacaagcc ggatgatgac acagacatgt 1320 ataatactcc ttatacatac aatgcaggtc tgtacaaccc accctacagt gctcagtcac 1380 accetgetge aaagacecaa acctacagae etettteeaa aagecaetee gacaacagee 1440 ccaatgcctt taaggatgcg tcctccccag tgcctccccc acatgttcca cctccagtcc 1500

```
1560
cgccgcttcg accaagagat cggtcttcaa cagaaaagca tgactgggat cctccagaca
gaaaagtgga cacaagaaaa tttcggtctg agccaaggag tatttttgaa tatgaacctg
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gcaagtcatc aattettcag catgaaagac cageeteett gtateagtee tetatagaca
                                                                     1680
gaagcctgga aagacccatg agttctgcaa gcatggccag tgacttcagg aagcggagga
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agagcgagcc tgcagtgggt ccaccacggg gcttgggaga tcaaagtgcg agcaggacta
                                                                     1800
gcccaggccg agtggacctc ccaggatcaa gcaccactct tacaaagtct ttcactagct
                                                                     1860
etteteette tteeceatea agageaaaag gtggggatga tageaaaata tgteeateee
                                                                     1920
tttgcagtta ctcagggctc aacggcaacc cctccagtga gttagattac tgtagcactt
                                                                     1980
acagacagca cttggatgtc cctcgggact caccaagagc cattagtttc aagaacggct
                                                                     2040
ggcaaatggc ccggcaaaac gcagaaatct ggagcagcac ggaagaaacc gtctctccca
                                                                     2100
aaatcaaatc ccggagctgt gacgatctcc taaacgacga ctgcgatagc ttcccggacc
                                                                     2160
cgaaagtcaa gtcggaaagc atgggctccc tgttatgtga ggaggactcc aaggagagct
                                                                     2220
gccccatggc gtgggggtcc ccctacgtcc cggaggttcg cagtaacggc agatcaagga
                                                                     2280
teagacacag gteageeege aacgeeeegg ggtteetgaa gatgtacaag aaaatgeace
                                                                     2340
gcatcaaccg caaggacctg atgaactccg aggtgatctg ctccgtgaag tccaggattc
                                                                     2400
tgcagtacga gagcgagcag cagcacaagg acctgctgcg cgcctggagc cagtgctcca
                                                                     2460
cggaggaggt gccccgggac atggtgccca cacgcatctc cgaattcgaa aagctgatcc
                                                                     2520
agaagtccaa atccatgcca aatttagggg atgacatgct gtctcccgta accctagaac
                                                                     2580
caccgcaaaa tggcctatgt cccaagaggc ggttttccat tgagtatttg ctggaggaag
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aaaatcaaag cggcccccc gctcggggcc ggcgaggctg ccagtctaac gccctggtgc
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ccattcacat tgaagtcacc agcgatgagc agccccgagc acacgtggag ttttccgaca
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gcgaccagga cggggttgtg tccgaccaca gtgactacat tcacctagag gggtcatcct
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tetgeagtga aagtgaettt gateaetttt eetteacate eteegaaage ttttaeggat
                                                                     2880
ccagccacca ccaccaccat caccaccacc accaccaccg ccacctcatc agetcetgca
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aaggcaggtg cccggcctcc tacactcgat ttaccacaat gttaaaacac gaaagagcca
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gacacgaaaa caccgaggag cccagaaggc aagaaatgga ccctggcctt tctaaacttg
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cttttctagt cagtcctgtg cctttccgga ggaaaaaaaa ttcggctcct aagaaacaga
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ctgaaaaggc aaaatgtaaa gcatctgtgt ttgaggctct ggactctgcc cttaaagaca
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tctgtgacca aattaaagct gaaaagaaaa gggggagctt gccggacaac agcatcctgc
                                                                     3240
accgcctcat cagtgagetg etgccagatg ttcccgagag gaactcatcc etgagagege
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tgaggaggag ccccctgcac cagcctctcc acccactgcc tcccgatggt gctattcatt
                                                                     3360
gtccacccta ccagaatgac tgcggaagaa tgccccgcag ttgcctcttt ccaaggacgt
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gggacacagg ccaacaggca gtttgccacc accaagaccg tgggcggtgg cattccaaga
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ccgtgagtcc cctagaagtt actcatccac tttgactgac atggggagaa gtgcaccaag
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ggaaagaaga ggaactccag aaaaagagaa attgcctgca aaagctgttt atgattttaa
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ggctcagaca tctaaggagt tgtcatttaa gaaaggagat actgtctaca tcctcaggaa
                                                                     3660
aattgatcaa aattggtatg agggagaaca ccacgggaga gtgggcatct tcccgatctc
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atacgtagag aaactcacac ctcctgagaa agcacagcct gcaagaccac ctccgccagc
                                                                     3780
ccagcccgga gaaatcggag aagctatagc caaatacaac ttcaacgcag acacaaatgt
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ggagctgtca ctgagaaagg gagatagagt tattcttctt aaaagagttg atcaaaactg
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gtatgaaggt aaaatcccag gaaccaacag acaaggcatc ttccctgttt cctatgtgga
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ggtcgtcaag aagaacacaa aaggtgctga ggactaccct gaccctccaa taccccacag
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ctattctagt gataggattc acagcttgag ctcaaataag ccacagcgtc ctgtgtttac
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tcatgaaaat attcaaggtg ggggggaacc gtttcaggct ctgtataact atactcccag
                                                                     4140
gaatgaagat gagctggagc tcagagaaag tgatgtcatt gatgtcatgg gaaaagtgtg
                                                                     4200
gatgacggct ggtttgtggg ggacctcaag gaaggaacca aatttctttt gggtactttc
                                                                     4260
cccaggaaaa ctacgttcaa agaggctgtg aaattgcgct cccttccttc ttgtaagagg
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ccgcctgcca agccatgcac cttgcgtcaa cgcgcctgaa acacccccgc gggcctcccg
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ttgtcatgcc ttacggtttc caatgcgccg tcaccatctc cacttggcca ccaaaccacc
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agcagagtag ccgccgctgc tgtgagcctg gggacgacat ggcaggctgg tccccctccg
                                                                     4500
tgaaagtgtg gatteetaet teetgeteta agetttgaea eegteaaaat gtgggateag
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                                                                     4615
```

```
<210> 6851
<211> 4146
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(4147)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (287)...(3058)
<223> similar to gi2407641 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6851 gagacatggc ccgggcagtg gctcctggaa gaggaacaag tgtgggaaaa gggagaggaa 60 gccggagcta aatgacagga tgcaggcgac ttgagacaca aaaagagaaq cgttcctctc 120 ggatccaggc attgcctcgc tgctttcttt tctccaagac gggctgagga ttgtacagct 180 ctaggcggag ttggggctct tcggatcgct tagattctcc tctttgctgc atttccccc 240 acgtcctcgt tctcccgcgt ctgcctgcgg acccggagaa gggagaatgg agaggggct 300 geogeteete tgegeegtge tegecetegt cetegeeceg geoggtgett ttegeaacga 360 taaatgtggc gatactataa aaattgaaag ccccgggtac cttacatctc ctggttatcc 420 tcattcttat cacccaagtg aaaaatgcga atggctgatt caggctccgg acccatacca 480 gagaattatg atcaacttca accctcactt cgatttggag gacagagact qcaaqtatqa 540 ctacgtggaa gtcttcgatg gagaaaatga aaatggacat tttaggggaa agttctgtgg 600 aaagatagcc cctcctcctg ttgtgtcttc agggccattt ctttttatca aatttgtctc 660 tgactacgaa acacatggtg caggattttc catacgttat gaaattttca agagaggtcc 720 tgaatgttcc cagaactaca caacacctag tggagtgata aagtcccccg gattccctga 780 aaaatatccc aacagccttg aatgcactta tatttgtctt tgcgccaaag atgtcagaga 840 ttatcctggg attttgaaag ctttgacctg gagcctgact caaatcctcc aggggggatg 900 ttctgtcgct acgaccggct agaaatctgg gatggattcc ctgatgttgg ccctcacatt 960 gggcgttact gtggacagaa aacaccaggt cgaatccgat cctcatcggg cattctctcc 1020 atggtttttt acaccgacag cgcgatagca aaagaaggtt tctcagcaaa ctacagtgtc 1080 ttgcagagca gtgtctcaga agatttcaaa tgtatggaag ctctgggcat ggaatcagga 1140 gaaattcatt ctgaccagat cacagcttct tcccagtata gcaccaactg gtctgcagag 1200 cgctcccgcc tgaactaccc tgagaatggg tggactcccg gagaggattc ctaccgagag 1260 tggatacagg tagacttggg ccttctgcgc tttgtcacgg ctgtcgggac acagggcgcc 1320 atttcaaaag aaaccaagaa gaaatattat gtcaagactt acaagatcga cgttagctcc 1380 aacggggaag actggatcac cataaaagaa ggaaacaaac ctgttctctt tcagggaaac 1440 accaacccca cagatgttgt ggttgcagta ttccccaaac cactgataac tcgatttgtc 1500 cgaatcaagc ctgcaacttg ggaaactggc atatctatga gatttgaagt atacggttgc 1560 aagataacag attateettg etetggaatg ttgggtatgg tgtetggaet tatttetgae 1620 teccagatea cateatecaa ecaaggggae agaaactgga tgeetgaaaa cateegeetg 1680 gtaaccagtc gctctggctg.ggcacttcca cccgcacctc attcctacat caatgagtgg 1740 ctccaaatag acctggggga ggagaagatc gtgaggggca tcatcattca gggtgggaag 1800 caccgagaga acaaggtgtt catgaggaag ttcaagatcg ggtacagcaa caacggctcg 1860 gactggaaga tgatcatgga tgacagcaaa cgcaaggcga agtcttttga gggcaacaac 1920 aactatgata cacctgaget geggactttt ceagetetet ceaegegatt catcaggate 1980 taccccgaga gagccactca tggcggactg gggctcagaa tggagctgct gggctgtgaa 2040 gtggaagece ctacagetgg accgaceact cecaaeggga acttggtgga tgaatgtgat 2100 gacgaccagg ccaactgcca cagtggaaca ggtgatgact tccagctcac aggtggcacc 2160 actgtgctgg ccacagaaaa gcccacggtc atagacagca ccatacaatc agagtttcca 2220

```
acatatggtt ttaactgtga atttggctgg ggctctcaca agaccttctg ccactgggaa
                                                                    2280
catgacaatc acgtgcagct caagtggagt gtgttgacca gcaagacggg acccattcag
                                                                    2340
gatcacacag gagatggcaa cttcatctat tcccaagctg acgaaaatca gaagggcaaa
                                                                    2400
gtggetegee tggtgageee tgtggtttat teccagaact etgeceaetg catgacette
                                                                    2460
tggtatcaca tgtctgggtc ccacgtcggc acactcaggg tcaaactgcg ctaccagaag
                                                                    2520
ccagaggagt acgatcagct ggtctggatg gccattggac accaaggtga ccactggaag
                                                                    2580
gaagggcgtg tcttgctcca caagtctctg aaactttatc aggtgatttt cqaqqqcqaa
                                                                    2640
ateggaaaag gaaacettgg tgggattget gtggatgaca ttaqtattaa taaccacatt
                                                                    2700
tcacaagaag attgtgcaaa accagcagac ctggataaaa agaacccaga aattaaaatt
                                                                    2760
gatgaaacag ggagcacgcc aggatacgaa ggtgaaggag aaggtgacaa gaacatctcc
                                                                    2820
aggaagccag gcaatgtgtt gaagacctta gaacccatcc tcatcaccat cataqccatq
                                                                    2880
agegeeetgg gggteeteet gggggetgte tgtggggteg tgetgtaetg tgcetgttgg
                                                                    2940
cataatggga tgtcagaaag aaacttgtct gccctggaga actataactt tgaacttgtg
                                                                    3000
gatggtgtga agttgaaaaa agacaaactg aatacacaga gtacttattc ggaggcatga
                                                                    3060
aggcagacag agatgaaaag acagtcaaag gacggaagtg gaaggacggg agtgagctgg
                                                                    3120
ggagctgttg atctttcact atacaggctg ggaagtgtgt tgatgaccac tgagccaggc
                                                                    3180
ttttctcagg agcttcaatg agtatggccg acagacatgg acaaggagct gtgttcacca
                                                                    3240
teggaeteat gtgeagteag ettttteet gttggtttea tttgaataat eagatgetgg
                                                                    3300
tgttgagacc aagtatgatt gacataatca ttcatttcga cccctcctgc ccctctctct
                                                                    3360
ctctctcctc tcccctttgt ggattctttt tggaaactga gcgaaatcca agatgctqqc
                                                                    3420
accaagegta tteegtgtgg ceetttggat ggacatgeta eetgaaacce agtgeecaga
                                                                    3480
atatactaga atcaccgcat ttcagtggac tcctgaagtt gtacttqtqt ataattqccc
                                                                    3540
gcgtcgtgca taggcaaaga aggattaggc tgttttcttt ttaaaqtact qtaqcctcaq
                                                                    3600
tactggtgta gtgtgtcagc tctgtttacg aagcaatact gtccagtttt cttgctgttt
                                                                    3660
ttccggtgtt gtactaaacc tcgtgcttgt gaactccata cagaaaacgg tgccatccct
                                                                    3720
gaacacggct ggccactggg tatactgctg acaaccgcaa caacaaaaac acaaatcctt
                                                                    3780
ggcactggct agtctatgtc ctctcaagtg cctttttgtt tgtactggtt cattgtgtta
                                                                    3840
cattaacgac ccactctgct tcttgctggt gaaagccctg ctctttaatc aaactctggt
                                                                    3900
ggcccactga ctaagaagaa agtttatttt cgtgtgagat gccagcccct ccqqqcaqqc
                                                                    3960
aagggctctg aagatttggg caacgtgggc ttaaattgtt ctqctttttc tqtaqttcaa
                                                                    4020
tttcatgttt cttgnaccct ttttgtataa agctgcaata ttctctctta ttgttcnttt
                                                                    4080
catatggaat gtaatttete gtgeegaatt eetgeaggen aateaattaa aateeeeeg
                                                                    4140
gcgccc
                                                                    4146
```

```
<210> 6852
<211> 920
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (232)...(727)
<223> similar to gi41923 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6852

cctgctgacc tccggcgcta ccgttgcaga ctataacgac gcacctgctg atgctcagca 60

gagcgaagta ctcagagggc tgaaagtcgc gttgagtaaa gccgaaggtg agaagtgccc 120
acgctgctgg cactacaccc aggatgtcgg caaggtggcg gaacacgcaa aaatctgcgg 180
ccgctgtgtc agcaacgtcg ccggtgacgg tgaaaaacgt aagtttgcct gatgagtcaa 240
```

```
tegatetgtt caacaggget acgetggetg tggetggtgg tagtegtget gattategat
                                                                      300
ctgggcacgc aaatacctga tcctccagaa ctttgctctg ggggatacgg tcccgctgtt
                                                                      360
cccgtcgctt aatctgcatt atgcgcgtaa ctatggcgcg gcgtttagtt tccttgccga
                                                                      420
tageggegge tggeagegtt ggttetttge eggtattgeg attggtatta gegtgateet
                                                                      480
ggcagtgatg atgtatcgct cgaaggccac gcagaagcta aacaatatcg cttacgcgct
                                                                      540
gattattggc ggcgcgctgg gcaacctgtt cgaccgcctg tggcacggct tcgtaqtcga
                                                                      600
tatgatcgac ttctacgtcg gcgactggca cttcgccacc ttcaaccttg ccgatactgc
                                                                      660
catctgtgtc ggtgcggcac tgattgagct ggaaggtttt ttgccttcta gagcgaaaaa
                                                                      720
acaataataa accetgeegg atgegatget gaegeatett ateeggeeta caqattgetq
                                                                      780
cgaaatcgta cgccggataa ggccgttatg ccgcatccgg caaaaatcct taaatataag
                                                                      840
agcaaacctg cattgttgaa tctgtacaga gcaatagccg ccgtcctggt gcacgttacg
                                                                      900
cttaaacttg acgatggccc
                                                                      920
```

```
<210> 6853
<211> 1092
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (893)...(124)
<223> similar to gi1787659 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6853
gtttcaggca ctctgccagt tgtgcgtgca tctcatcatt aaaactgttc aggcgttccg
                                                                       60
ggcggttgag cgttagtgtc atcacgccct tttctacatg actgaggatg aattccatca
                                                                      120
ttagcgtcct ttaaagtcgg gcgtgcgttt ttgtaagaaa gcggagatgc cttcatgacg
                                                                      180
atcttctgtt gccgccagca aggtgaataa ctgtcgctcc tgggcaagtc cggcttgcaa
                                                                      240
agccacttcc tgcgactggc gcagcgcttg ctttgccgct tgtaaggcca gcggcgagtg
                                                                      300
acgtgccatt ttcgatgcca gctgtaaggc gtattcgagg gttaaatcgc tggggaagac
                                                                      360
gtcgctaacc agcccggcct gctgtgcttg ctgagcggtg atactttctc cgctcagcac
                                                                      420
cattttgctg gctaacgatt taccgacact acggattaaa cgttgcgttc cgcctgcgcc
                                                                      480
aggcatgatg ccgagagtga tttccggcaa cccaaaacgc gcgttctctc cqqcaaccac
                                                                      540
cacategeae aacaatgeea gttegeaace egeeceaage gegtaaceat tgaegggttg
                                                                      600
cgataagttg gttaataaag gcccgccatc ccgcccaaaa atccgggagg gtgtttcgta
                                                                      660
aaggggcccg cgagatcttt ttccgccatt tcgttgagat cggccccagc ggcaaaaaag
                                                                      720
cgtgcattac cggtaatcac acagaccgaa atgctggtat cggtagccgc agcttccagt
                                                                      780
tcatttacca gttgcatcag cagggcatta tttagcgcat tacgtgcggc gggacggtta
                                                                      840
agggtcagca acaatactcg ttgctgacgg ctgacgatca gttcgctcat qccatcccct
                                                                      900
tcgcgtcaaa gtcaaccacc acatcgctgg tcagcggcag tgcctggcaa ctcaacacat
                                                                      960
aacctgcggc cagttcatcc ggttccagac tgtaattggt ttccatcgcc actttgccac
                                                                    1020
gcagcacttc gcatttgcag atcgcacaga cgccgccttt gcaggcatag ggcagatctc
                                                                    1080
cgggtaccga cc
                                                                     1092
```

```
<211> 5725
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(5726)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (5642)...(3984)
<223> similar to gi1504022 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6854
ttttttttt ttaaggactg cagtatttat tttattttta tattatttat ttattctttg
                                                                       60
ttagtttttg gagtgtgggt tttgttttgt tttttgaatt ttttattttg ttctaactcq
                                                                      120
gttttattct tattgctcaa ggcttgagtg caactggcct cttctcaagc ntcaacctcc
                                                                      180
geettettgg gttegggtaa tgatggttee aegteagegg eeeteegeet tettgggttt
                                                                      240
gcgttaaggg ttccacggtc accgaaccct ccgcctcttg gggttcgggt gatgatgggt
                                                                      300
tecacegntt caageegggg gggeeeeeee ceceeeeet eegeeeteet tgggtttgee
                                                                      360
gtgaacggtt ccacaatcac cgaccettac gcctcttggg ttcgggtgat gatgggttcc
                                                                      420
acgtcagcgg gccctccgcc tcttgggttt gcgtgacggt tccacgtcac cgaccctccg
                                                                      480
cctcttgggt tcgggaggtg gttccatctc agccgccctc tgcctcttgg gtttgcgtgg
                                                                      540
tttttctgcc tcagcctcct gagtagctaa gggaggtgtc ttgagattat catccgctga
                                                                      600
gggtggaage ggeeceegea gaegetegge aggtgtettg atattateat etgetgaggg
                                                                      660
tggagctgag ggtggaaggg gagtgagctg acgctcagaa ggtgtcttga gattatcatc
                                                                      720
cgctgagggt ggaagcggcc ccccgcagac gctcggcagg tgtcttgata ttatcatctg
                                                                      780
ctgagggtgg agctgagggt ggaaggggag tgagctgacg ctcggaaggt gtcttgagat
                                                                      840
tatcatccgc tgagggtgga agcggcccc gcagacgctc cccgcagacg ctcggcaggt
                                                                      900
gtcttgatat tatcatctgc tgagggtgga gctgagggtg gaaagggagt gagctgacgc
                                                                      960
teggaaggtg tettgagatt atcateeget gagggtggaa geggeeeeeg cagaegetee
                                                                     1020
ccgcagacgc tcggcaggtg tcttgatatt atcatctgct gagggtggag ctgagggtgg
                                                                     1080
aaggggagtg agctgacgct cggaaggtgt cttgagatta tcatccgctg agggtggaag
                                                                     1140
cggcccccgc agacgctcgg caggtgtctt gatattatca tctgctgagg gtggagctga
                                                                     1200
gggtggaagg ggagtgagct gacgctegga aggtgtettg agattateat eegetgaggg
                                                                     1260
tggaagcggc ccccgcagac gctcggcagg tgtcttgata ttatcatctg ctgagggtgg
                                                                     1320
agctgagggt ggaaggggag tgagctgatg ctcggaaggt gtcttgagat tatcatccgc
                                                                     1380
tgagggtgga agcggccccc gcagacgctc ggcaggtgtc ttgatattat catctgctga
                                                                     1440
gggtggaget gagggtggaa ggggagtgag etgaegeteg gaaggtgtet tgagattate
                                                                     1500
ateggetgat ggtggaageg gaateegeag aegeteagea ggtatettga tattateate
                                                                     1560
tgctgagggt ggagctgagg gtggaagggg agtgagctga cgctcggaag gtgtcttgag
                                                                     1620
attateatee getgagggtg gaageggeee eegeagaegg etegeeaggt gteettgata
                                                                     1680
ttatcatctg ctaagggtga agctaagggt ggaaggggag tgagctgacg ctcggaaggt
                                                                     1740
gtcttgagat tatcatccgc tgagggtgga ageggccccc gcagacgctc cccgcagacg
                                                                     1800
ctcggcaggt gtcttgatat tatcatctgc tgagggtgga gctgagggtg gaaagggagt
                                                                     1860
gagetgaege teggaaggtg tettgagatt ateateeget aagggtggaa aacggeecee
                                                                     1920
cgcaaacgcc tcggccaggt gtccttgaat attatcatct gcctgagggt ggagctgagg
                                                                     1980
gtggaaaggg gaagttgagc gcacgctcgg aaggtgtctt gagattatca tctgctgagg
                                                                     2040
gtggaagcgg ccctcgcaga cgctccncgc agacgctcgg caggtgtctt gatattatca
                                                                     2100
tctgctgaag ggtggagctg agggtggaag gggaagttga gcgcacgctc ggaaggtgtc
                                                                     2160
ttgagattat catccgctga gggtggaaag cggcccgcgc agacgctcgg caggtgtctt
                                                                     2220
gatattatca tctgctgagg gtggagctga gggtggaagg gggaggttac tgacgctcgg
                                                                     2280
```

```
2340
aaggtgtett gagattatea teegetgagg gtggaagggg atggageaga gtaeteggea
cgtgtcttga gattatcatc cgctgagggt ggggctgggg gtggagctga gggtggaagg
                                                                     2400
ggagtgagca gacactcggg aggtgtcttg agattatcat ccgctgaggg tggaagggga
                                                                     2460
                                                                     2520
gtgagcagac actcgggagg tgtcttgaga ttatcatccg ctgagggtgg aaggggagtg
agcagacact caggaggtgt cttgagatta tcatccgctg agtgnaaggt agagctgagg
                                                                     2580
gtggaagggg agtgagcaca cactcgggag gtgtcttgag attatcatcc gctgagggtg
                                                                     2640
                                                                     2700
gaaggggagt gagcacacac tcgggaggtg tcttgaggct cagggagtta tcagttatag
aatgttgttg agttggagga ggtggctggt ggcccatcct gttttttaaa gtttcagctg
                                                                     2760
tgaggtaggg ccagtagggc aatcctgaag aatgacgatg ctccgctgcc gccattctga
                                                                     2820
cccagttgca aagagccttt cttgcagaag gggggatttt gcatttgtgg tagtcctctq
                                                                     2880
ctegeegeeg caactettge geaegttgaa acattttetg tittetggeg gietteetet
                                                                     2940
ttccattgat tttgtcatga cggttgattt tcgttgtcac cttcctctta cggattttag
                                                                     3000
ctctaacttt tgtttccaca tgcctccgta gagtaatgac gtctttcagg ccaattttat
                                                                     3060
ttcctcgaaa ggaagaaact cttttctttg tgtgcataca aatggacctc agcccttcct
                                                                     3120
gtctacggcg gttggacctc caggctctct gctgtacatc cgtggatcca tcatgtccat
                                                                     3180
ttcgagacca gaagatagtc ttcaggagag acacccaaag gtaaactatc cagagggtaa
                                                                     3240
tgacaacttt ataacttgtc ggaaacgcaa taatgacatg taaccaagga cttccaccaa
                                                                     3300
agtcagtccc acgatgatga tggtcagaca gagtattgat aaccttcctc aggtactcgc
                                                                     3360
atgggcatgt cactgacttt acatgctgct gcagctcctt ggtgagctgg ccctggtcat
                                                                     3420
gggacaggaa ctgtggggtc aggacaatag agagcttcac catttgcaga atgagaacag
                                                                     3480
gggctcatga tgagtgccaa cctcagtttt cttctgtgtg aaacaggaac aatagtttca
                                                                     3540
ttcgtcattc agtttctctc aagatttcac gagatcatac ctttaatttt ctccaacaac
                                                                     3600
tgattctggt acacagtata ccttaatgcc tgcatccacg gcctcacgtc atgctgttta
                                                                     3660
catgaacgta aagcttcgcc gaagagtgga ataagacagt cctctgttga aagtctgtta
                                                                     3720
gaaactgtgg tctccaaagc agacgagcaa tacagctgca aggtacttag aactggcaaa
                                                                     3780
gactgtgaaa ctgttaaagt agaaagtctc agaggtccaa tagcgatgcg ggatgtttqc
                                                                     3840
ttcaagtact ttaccacatt ttcagttata gactgccact tctgatcttg ttctatcggg
                                                                     3900
tttaaagcag ttgccaaaca aacagaactt cttaacaatg gaacttcaat ggatttctga
                                                                     3960
ggttcccttg gatctggact tcacatgtta cgaagcagtt ttttcatgtc tatttttct
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tttgatcctc cagcaagtag attgatattt tctcctggta acaattctaa ttgctcggta
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cattcaacaa attttccaga ctcaaagctg cttaatgatt ttatatagtt gaagtcagct
                                                                     4140
ttcaggttga gggaagtgct actggtactc tttttcaagt catggatagc gttctgccat
                                                                     4200
tectgeacag cageceaate ggeagttgag atgtageact cacatgettt gttteetaaa
                                                                     4260
taatttataa cctcagggga agagtcagtc ggtttggaca gcacactttt tctggattca
                                                                     4320
ccattcagac aatgtttcag gctggcactc ttacacccag cactggctaa ggtgagcacc
                                                                     4380
gatttgtcaa agctggagat gcagcaatca acacctgtca tggcacacag gtgttcctgg
                                                                     4440
tactccacag aggccttttc aaacctccct tcagcctgtt gagccactga gttaatccac
                                                                     4500
agaagatgtt ttccaacaat agatgatgac cagacagcaa ttccctgtat agcttcaqqa
                                                                     4560
caatgaagtt cacatagtgc ttctaccacc atcataatgc ttacttccaa ttcattcccc
                                                                     4620
tgagataggc tggttgtttt catctctgta agcaagtcaa agccatgtct cactgtcact
                                                                     4680
gcaggctggc ctgccaacaa tcctaccctc atgatggaga gtcgaatccg cgttagccag
                                                                     4740
tcctgacaag tttggcgatt ggtatacaaa aaagttctaa tgaccttggg aggtgaagtt
                                                                     4800
aaggcattag cacatecete gtatgeatta tacattaatt tetecagatt ttecagatae
                                                                     4860
tgcagaagaa gaacaagtct aagttggttg ttaccatggc cttcatcatt gtctgcagtt
                                                                     4920
gtccactgac taacatcctg atcagggttt aatgtgtgac ctgcgagact tcgaatgata
                                                                     4980
ccttcaattg tctggaaggt gtcttgagct ctgcccagtg gggttctcag cttagaaaga
                                                                     5040
acagtgaatt gtgcagcttc ccatatggcc cactgccaaa ggacagcatc tgtcttcagg
                                                                     5100
agattgcgtg gaattgttga ctggtcacgc ttatccagtc tctggcagct atagaacagt
                                                                     5160
ctttccaacc aattgtcctt ccctgttcta tgagagttcc catacaaaat aaaactaata
                                                                     5220
catcagagaa atcttggggg tggaatgtat tacttggtgc tttactcatg tgacttctta
                                                                     5280
atgctaaaga aatttcttga atttctgtgt gattgttatt gcttaggaaa acacctaaag
                                                                     5340
gaattgattt caacagtttt ccaaatgctt gtcgaataca agttccacgg tgcactagtt
                                                                     5400
ggacacggca aacatcaaca catctctgta aaagatcatc tggcaaggaa gaggatagag
                                                                     5460
catgtagact gctgcatgcc tgcagacaga tattcacatc ttcaacgaga gtgtcggcta
                                                                     5520
aaaggccttt gcaaaattta tggaaagacg gaagacagaa taaaggtgca tatgtttcgg
                                                                     5580
acttetteat tacaacaget acttecaaag cecaagteat taacagttte etegtgteet
                                                                     5640
ggttatcttt cttaagtaac attcccagaa gatttaatat aattgagaaa tgtttctttg
                                                                     5700
```

```
<210> 6855
<211> 2006
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (197)...(1585)
<223> similar to gi34543 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6855 acaggeeett agageatege caggtgeaga getecacage tetettteee aaggagtaat 60 cagagggtga gaacgtggag cctggtggac aggtgaaagc actgggatct ttctgcccag 120 aaaggggaaa gttgcacatt tatatcctag agggaagcga cagcagtgct tctccctqtq 180 ctgaggtaca ggagccatgt ggctagaaat cctcctcact tcagtgctqq qctttqccat 240 ctactggttc atctcccggg acaaagagga aactttgcca cttqaaqatq qqtqqtqqqq 300 gccaggcacg aggtccgcag ccagggagga cgacagcatc cgcccttttc aaggtgggaa 360 acgtcagatg aggagateca egacttacae caqaqqateq ataaqtteeq tttcacecea 420 cctttggagg acagctgctt ccactatggc ttcaactcca actacctgaa gaaaqtcatc 480 tcctactggc ggaatgaatt tgactggaag aagcaggtgg agattctcaa cagataccct 540 cacttcaaga ctaagattga agggctggac atccacttca tccacgtgaa gcccccccag 600 cttgcccgca ggccgatacc ccgaagccct tgctgatggg tgcacggctg gcccggctct 660 ttctacgagt ttttataaga tcatcccact cctgactgac cccaagaacc atggcctgag 720 cgatgagcac gtttttgaag tcatctgccc ttccatccct gggctatggc ttctcagagg 780 catectecaa gaaggggtte aatteggtgg gecacegeca ggatettttt acaagttgat 840 gttgcggctt gggcttccag ggattcttac attcaaggag gggactgggg ggtccctgga 900 ttcttgcact aatatgggcc cagctgggtg cccagccacg tgaaaggcct tgcactttga 960 acatggcttt ggttttaagc aacttctcta ccctgaccct cctcctggga cagcgtttcg 1020 ggaggtttct tggcctcact gagagggatg tggagctgct gtaccccgtc aaggagaagg 1080 tattctacag ccttgatgag ggagagcggg ctacatgcac atccagtgca ccaagcctga 1140 caccgtaggc tctgctctga atgactctcc tgtgggtctg qctqcctata ttctaqaqaa 1200 gttttccacc tggaccaata cggaattccg atacctggaq qatqqaqqcc tqqaaaqqaa 1260 gttctccctg gacgacctgc tgaccaatgt catqctctac tqqacaacaq qcaccatcat 1320 ctcctcccag cgcttctaca aggagaacct gggacagggc tggatgaccc agaagcatga 1380 gcggatgaag gtctatgtgc ccactggctt ctctgccttc ccttttgagc tattgcacac 1440 gcctgaaaag tgggtgaggt tcaagtaccc aaagctcatc tcctattcct acatqqttcq 1500 tgggggccac tttgcggcct ttgaggagcc ggagctgctc gcccaggaca tccgcaagtt 1560 cctgtcggtg atggagtggc aatgacccac ccctctcccc ccgtctgcca cctccccca 1620 caagtgccct ccaggctttt cttggggaag ataccccttt tctgaggaat gagtttgcct 1680 ccgtcccctg cccatgctgg gagcccacgc tcaccccctc acccctccaa gctcactccc 1740 caacccccaa ctccgtgtgg taagcaacat ggctttgatg ataaacgact ttactctaaa 1800 aaaaaaaaa agggggggcc gttttaaagg atccaagttt acgtccccgg gcttgcaagg 1860 taaaagtttt tttatggggc ccccaaaatt aaattcccgg gccggggttt aacaacgcgg 1920 ggaggggaaa aacccggggg ttccccaatt aaatggcttt gaagaaaatc cccttttcgc 1980 cagggggga aaaaaaaa aggcgg 2006

```
<210> 6856
<211> 1923
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (201)...(1734).
<223> similar to gi32460 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters
```

```
<400> 6856
cgaaggctga ggtgggatcc tcccaagttc ccttagtagc cagcttcggc acttccggga
                                                                     60
ggagccggaa ataatttttg tgctcggcgg aggctctcta ggcgtgcgac ccagcgactc
                                                                    120
gatageegga agteateett getgaggetg gggeaaceae egeaggtega gacageagge
                                                                    180
ggctcaagtg gacagccggg atggcagagc gtgcggcgct ggaggagctg gtgaaacttc
                                                                    240
agggagagcg cgtgcgaggc ctcaagcagc agaaggccag cgccgagctg atcqaqqaqq
                                                                    300
aggtggcgaa actcctgaaa ctgaaggcac agctgggtcc tgatgaaagc aaacagaaat
                                                                    360
ttgtgctcaa aacccccaag ggcacaagag actatagtcc ccggcagatg gcagttcgcg
                                                                    420
agaaggtgtt tgacgtaatc atccgttgct tcaagcgcca cggtgcagaa gtcattgata
                                                                    480
cacctgtatt tgaactaaag gaaacactga tgggaaagta tggggaagac tccaagctta
                                                                    540
tetatgacet gaaggaceag ggeggggage teetgteeet tegetatgae eteaetgtte
                                                                    600
cttttgctcg gtatttggca atgaataaac tgaccaacat taaacgctac cacatagcaa
                                                                    660
aggtatatcg gcgggataac ccagccatga cccgtggccg ataccgggaa ttctatcact
                                                                    720
gtggattttg acatcgctgg ccagtttgat cccatgaatc ctgatgcaga gtccctgaag
                                                                    780
atcatgtgcg agatcctgag ttcacttcag ataggcaact tcctggtcaa ggtaaatgat
                                                                    840
cggcgcatcc tagatggaat gtttgctgtc tgtggtgttc ctgatagcaa gttccgtacc
                                                                    900
atctgctcct cagtggacaa actagataag gtgtcctggg aggaagtaaa gaatgagatg
                                                                    960
gtgggagaga agggccttgc accagaagtg gctgatcgca ttggggacta tgtccagcaa
                                                                   1020
catggtgggg tttccctggt ggaacaactg gtccaggatc ctaaactatc ccaaaacaag
                                                                   1080
caggeettgg agggettggg agacetgaag ttgetetttg agtacetgae ectatttgge
                                                                   1140
attgatgaca aaatctcctt tgacctgagc cttgctcgag ggctggatta ctacactggg
                                                                   1200
gtgatctatg aggcagtgct gctacagacc ccagcccagg agggggaaga gcccctgggt
                                                                   1260
gtgggcagtg tggctgctgg aggacgctat gatgggctag tgggcatgtt cgaccccaaa
                                                                   1320
gggcgcaagg tcgccatgtg tggggctcag cattggggtg gagcggattt tctccatcgt
                                                                   1380
ggaacagaga ctagaggctt tggaggagaa gatacggacc acggagacac aggtgcttgt
                                                                   1440
ggcatctgca cagaaaaagc tggctagagg aaagactaaa gcttgtctca gaactqtqqq
                                                                   1500
atgctgggat caaggctgag ctgctgtaca agaagaaccc aaagctactg aaccagttac
                                                                   1560
agtactgtga ggaggcaggc atcccactgg tggctatcat cggcgagcag gaactcaagg
                                                                   1620
atggggtcat caagctccgt tcagtgacga gcagggaaga ggtggatgtc cgaagagaag
                                                                   1680
1740
aaactatcag aggaaaggaa gtgggactgg cactatttga ggttaagaca aactgcatat
                                                                   1800
gtacttcaat tgctttgcac ttttccgttt cagcggaaga cctgaagagt ggtcagaaca
                                                                   1860
gagcctttga tttttattat ggttatttta ttgattatta ctggcaaaaa cggccaggta
                                                                   1920
caa
                                                                   1923
```

```
<211> 1209
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (1)...(1210)
     <223> n = a,t,c or q
     <220>
     <221> misc_feature
     <222> (951)...(0)
     <223> similar to gi205755 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6857
ttttttttt ttgacacaag actaattact ttattaggtg cattctataa gttgaagagg
                                                                       60
agaatttttg gcaaataaat aaataaataa ataaataatc aaacagagac tctggggccc
                                                                      120
gaggagetea ggaaaaegga ageggagtet ttgcatagtt etaaatgaae aggaggtgge
                                                                      180
agcagtaggc aacgcggatt ctcggcggaa atgcagcact tgcaaaaacc agggacagaa
                                                                      240
ggctttgaga aagaggagaa ggtcagaagg tgactaacta tttcttttc gtagagacca
                                                                      300
tggtgtggaa cattcgtcct ctctaccagg ggcaggatgc cgcgtcctac atgatctgcc
                                                                      360
tgggcatccc gtaccctgtc atgcccgcct gggaggctcc cttgttgctg cccatctgca
                                                                      420
ggcctattac gttctgtccc tggcgaagct gctcctcgga aaagcctctc cgattctqct
                                                                      480
gggctttcct gtgaaaccag gatggctctc cccgatagca gccatcatcc ttggtgactg
                                                                      540
caacgctgcc taaagccatc agggtcctct gcacagctgc catgtccttc ccttcccata
                                                                      600
gatccaccgt ctgaaagatg tcggtggttc tgacaccata ggtctccgca gcttttagga
                                                                      660
actgggagat ttgctccatc tgcttaaaag ccatctttga ctctgagatc ttgggtatgg
                                                                      720
getettgtee tggtgggtat aaactattta teagettgea eaggacegte eegteeatta
                                                                      780
accatttctg aaaatgggcc ctgccggggg gcgggtgctc tatgtcctcg gcgcactgca
                                                                      840
ggatgateca gtecaccage ttgtteteca ggtecgeate ataettetge tegatettet
                                                                      900
cctgcacctc tcggcttaag ccatagctcg ggcccctgtt agccatctaa tcaagtctga
                                                                      960
acccccagge ageaaggggg atgggtggeg gacgtttett eccgettete agtageaett
                                                                     1020
tgcaaaggca gaaacgatga gatcgggaag agcaggtaat tagcaggcag ggaggaagcc
                                                                     1080
teettteatg ttgaactgea geegetgetg eetegegeet ggaagaatgg cacattgatt
                                                                     1140
tgattttete atggetgagt gggetcaace agggeegttg ctaaganeee tegtgeegaa
                                                                     1200
ttcctgcag
                                                                     1209
    <210> 6858
    <211> 2338
    <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc feature
    <222> (24)...(1399)
    <223> similar to gi4185794 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 6858
tttcgtgctc tgccagcggg accatgctgc tccgagtcgc ttggaggcgg gcggcagtgg
                                                                       60
cggtgacagc ggctccaggg ccgaagcccg cggcgcccac tcgggggctg cgcctgcgcg
                                                                      120
ttggagaceg tgctcctcag tctgcggttc ccgcagatac agccgctgcc ccggaggtgg
                                                                      180
ggccagtgct gcgacctctc tatatggatg tgcaagctac aactcctctg gacccccggg
                                                                      240
tgcttgatgc catgctccct tacctaatca actactatgg gaacccacac tcccggacac
                                                                      300
atgettatgg etgggagagt gaggeageea tggaaegtge tegteageaa gtageatete
                                                                      360
tgattggagc tgatcctcgt gagatcattt ttactagtgg tgctactgaa tccaacaaca
                                                                      420
tagcaattaa gggggtggcc cgattctaca ggtcacggaa aaagcacttg atcaccaccc
                                                                      480
agacagaaca caaatgtgtc ttggactcct geegttcact ggaagetgag ggetttcaqq
                                                                      540
tcacctacct cccagtgcag aagagtggga tcattgacct aaaggaacta gaggctgcta
                                                                      600
tecagecaga tactageetg gtgteagtea tgaetgtgaa caatgagatt ggagtgaage
                                                                      660
agcctattgc agaaataggg cggatttgca gttccagaaa ggtatatttc catactgatg
                                                                      720
cagcccaggc tgttggaaaa atcccacttg atgtcaatga catgaaaatt gatctcatga
                                                                      780
gcattagtgg tcacaaaatc tacggtccca aaggggttgg tgccatctac atccgtcgcc
                                                                      840
ggccccgtgt gcgtgtggag gccctgcaga gtggaggggg gcaqqaqcqq qqtatqcqqt
                                                                      900
ctgggacagt gcccacaccc ttagtggtgg ggctgggggc tgcgtgtgag gtggcacagc
                                                                      960
aagagatgga gtatgaccac aagcgaatct caaagttgtc agagcggctg atacagaata
                                                                     1020
taatgaagag ccttccagat gtggtgatga atggggaccc taagcaccat tatcccggct
                                                                     1080
gtatcaacct ctcctttgca tatgtggaag gggaaagtct gctgatggca ctgaaggacg
                                                                     1140
ttgccttatc ctcagggagt gcctgcacct ctgcatccct ggagccctct tatgtgctta
                                                                     1200
gagcaattgg cactgatgag gatttagcgc actcttctat caggtttgga attggccgct
                                                                     1260
tcactacaga ggaggaagtg gactacacag tggagaaatg cattcagcat gtgaagcgtc
                                                                     1320
ttcgagaaat gagccctctc tgggagatgg ttcaggatgg cattgacctc aagagcatca
                                                                     1380
agtggaccca acactagaag aatagggccc tgactttgtg ctggtctggc ccctcctqcc
                                                                     1440
tcaccaaccc gtgcacaacc agacaccttg ttacacctag tggatgctct agattggtat
                                                                     1500
agaccagttg acttcagcat cagtccacct ctatgacaga aacacaagaa aactgtcttt
                                                                     1560
ccctagcttc agttccttgg gtgtggagca ctccccattt cttctcgggt cttaaagtgt
                                                                     1620
gtggacattt tcatcccgaa gccatagaga catttgctgt catattgctg ctgggcacat
                                                                     1680
ctgtgctctt ggtgaggaga gcaagaggaa ccagaagaag tctctttggt cagggaccat
                                                                     1740
gatgetetae atggaeattt gagtettegt ettetgetge tgeteggetg gaceagette
                                                                     1800
tttaacagca agcataatcc acttcaatgt aatattttct gtagctccaa aggctatctc
                                                                     1860
ttcatattga ctgcagacag actgaatgga cagtttctta gagggcttgt ctcctttcta
                                                                     1920
cccttggcct ctttcctttc ctttgaccta atggagctag aaatatgtct gtgactccac
                                                                     1980
cagttattct aataatttgt tttcttgaaa attgttaatt tcaagactgg agaaataaac
                                                                     2040
tcaccttcta tttacccctg tgacctttat gagaggttga gggaaaagtg gaagcctgta
                                                                     2100
ccttgggaat tgtggagaag accgcccact cccatcctga tttgcataaa tgacctcagt
                                                                     2160
gggcttttgt atctcttcat ttaagacatt atttgaatgc ctgccaggag ccagatttgt
                                                                     2220
tctgggtatt aggaatacac tggttaacag gaccaaaaaa gaccctgccc tcactgagtt
                                                                     2280
ttaaatttta gtggagagat ggaaaataat taaacaaata aacaatgtta tagattgt
                                                                     2338
```

```
<210> 6859
<211> 4357
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (198)...(953)
<223> similar to gi5911857 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6859 aagcggctcg ggctgcggct ggctcagagt gccgcggggg gcgtggggcg gtgctgagga 60 getgaageeg tggeeagete gaegeeggae agteeagega geageaegge gggaacegge 120 180 agccggagca gtcccggagc agaagcagca gcagcagcag cagccctcgc cgttcgcgga 240 gcgcagccga gccggccatg gcgttgtcga tgccgctgaa tgggctgaag gaggaggaca aagagcccct catcgagctc ttcgtcaagg ctggcagtga tggtgaaagc ataggaaact 300 360 gccccttttc ccagaggctc ttcatgattc tttggctcaa aggagttgta tttagtgtga 420 cgactgttga cctgaaaagg aagccagcag acctgcagaa cttggctccc gggacccacc 480 caccatttat aactttcaac agtgaagtca aaacggatgt aaataagatt gaggaatttc ttgaagaagt cttatgccct cccaagtact taaagctttc accaaaacac ccagaatcaa 540 atactgctgg aatggacatc tttgccaaat tctctgcata tatcaagaat tcaaggccag 600 aggctaatga agcactggag aggggtctcc tgaaaaccct gcagaaactg gatgaatatc 660 tgaattctcc tctccctgat gaaattgatg aaaatagtat ggaggacata aagttttcta 720 cacgtaaatt tctggatggc aatgaaatga cattagctga ttgcaacctg ctgcccaaac 780 tgcatattgt caaggtggtg gccaaaaaat atcgcaactt tgatattcca aaagaaatga 840 ctggcatctg gagataccta actaatgcat acagtaggga cgagttcacc aatacctgtc 900 ccagtgataa ggaggttgaa ataggcatat agtgatgtag ccaaaagact tcaccaagta 960 aaatcgcgtt tgttaaaaga ggtgtctttc atgtcttccc cttaaggaat acggttttcc 1020 taacaggcta ctccttcctg tagagcagaa attgtatttt gcacgaacat gcagttattg 1080 aagattagga tcaaggatag acaaggtata gtagttatct taaaatatac actcctaagc 1140 agtattattt taaaatcctt taccetgget accteceeta ceegggttee cetetetta 1200 atttggagac actccaccac aaacttttca ctttagaggt agcttgccat ctctcaggag 1260 ccctcaccat tgtgtccatt cactgtgtat agatggcaga acttttgagg tgcaatgttt 1320 aattgttaaa aatagtagcc acgactttat caggcagccc caaactggtg cataatgcat 1380 ggtacaagaa atatttatgt attttttgga attttgtaat atttagtaag agtatatgaa 1440 aggattgcta ctgtatcaga aatattgttt caatttagtc tatcctggat atgtactaac 1500 gaatattacc accagagaag agagetttet acaaaagtea etacagattt tgetatattg 1560 ctttgtagat agatttttac ttttgcctaa aagcatttat ccttcatacc aattgtaaca 1620 tetgacacca tgtagaaget aaaagtttag agggagtgag egttttetea agacetteet 1680 caagcatttt atctttagaa gagaaactga tgggcacctg atactctgtc taaatacgtt 1740 tgttatatgt gttttgccct gtgccattca ttttggaactt tattgcattc tttattttaa 1800 aaaccttgtt tttacgtaat catagagctt gctatttgta catctgttga gcaacactac 1860 ataactgatt tttagttgac ttagctatag cagtacaatg attagtaatg taaaaattaa 1920 cacagaaatt aacctaagga atgaagggtg ggtttgtcaa aatatcaagt aaatttttgt 1980 ttctaaagta catttaatgt agatgaccta aagaatgcgt tatccatcct atataaaaga 2040 aagataaaac acaggtcacc aattttctca tttcacccca tttaccttgt atagaggatt 2100 gttcattcct ttgggactaa gttatagtta tggtgagtgt gtatttactg tagttttgcc 2160 tgatctcact cattgcactt cctggagtta aattttccaa cagccatgtt gaggaatagc 2220 actetgeatg tittigtitt gittiteggg gittittita attgaageee taaaccagga 2280 attatttgtg ttctaacagg aggatgaact tgctgaaaat aaaactttgc tatgtattta 2340 ctctttttta aaagacaaaa gcaaaaccag actttctacg tactactcca aagactgtga 2400 ttgtgactat aatacatttt tggtaatttt tttataccta atttgtatag gaagtgctat 2460 ttctcatagg ctgtttcttg aaattttaag tttattgctt taaaatggca gtgtttctcc 2520 cactttgata tgctaacatt tagtaagcac tggctttatg aaagcggctt tttataagta 2580 tactgcatta tttgagccta tcattaatta gcttagtatg aaagataagg aaaaatctcc 2640 atgttgtate catttggete aggaagatte tttgeettae etttettaga actetttatt 2700 gcttatcaaa agtttgagta cccgcttggt ttttttttgg taattaaata ttgtatgatt 2760 tatctggttc aaggaagatg cactattcag ttatctattg agaaattatt ttgcagtggt 2820 tttagtgggt gaaaatgtcc catctgcacc agtacacagg caggcattat cattcttcac 2880 ctacttttta aatagtggca acttgggatt cattctggtg attctgaacc ttgcctcata 2940 gettaaagta taaaaaagat teaagageag tgaggtttgt tettteeagt gaatggtgga 3000 ctgagtggtg cgaggtggag ggctaacaag aggaaagaac tacattcttc agaatacagt 3060 gatgaaaatt cattttgaaa ctcaaatatt ttcattttgg atattctcct gtttttatta 3120

```
aaccagtgat tacacctggc catccctcta aatgttctag gaaggcatgt ctattgtgat
                                                                     3180
tttgatgaag acagaattat ttttctctgt agaaacacag ataccacttt atcagggaag
                                                                     3240
ttagtcaaat gaaatggaaa ttggtaaatg gacaaaagct agctagtaaa aaggacgacc
                                                                     3300
cagcaacatg ctttaacccc attgtatgtt tgtggaaaga gcatagttta acatcttgag
                                                                     3360
aaatttggga cataaagttt tcatggtaqa cagttcatgc agtatatgaa ttqacataat
                                                                     3420
ggaaataatc tgattttatt tttacaacta acatccattc cccttcattt aaacaccttt
                                                                     3480
tgtgttttac ttcagtgagg agattggagt ctgaatggat ctgttttcca agagattctg
                                                                     3540
agaaattttt gtattcagca gttggaaagc tctctattct agttgataaa acttcccttt
                                                                     3600
tttgatgtag atgcagatat tetatacagt tetgttgtet tttaetagga etgtaaaett
                                                                     3660
ttgtgataaa attcaaataa gattttattt cttggtaatt ttggctttca caatttatct
                                                                     3720
ttaaatcctt gagcaatctg tatacaatta agagatttct gacatttatt cttacactaa
                                                                    3780
atggatcaac totaggattt aggcatgtta acttotgttg tgttttgaat ctotccagag
ttgcatgtag atagcattta tttctgtgcc cttaaaccca tttagaaaat aactacaaag
                                                                    3900
taaaaatgta gaggaaatag aaatgtattt tttcatgaac attttgatac aaatttcatc
                                                                    3960
atttaatgat tcaccaattt cttgcattaa tttgaattta agcatttaat tcaaagagag
                                                                    4020
gggagcatcc attattgata catgtgggct tttaaaaaact ccatccttta taaatagtca
                                                                    4080
aggtttgggc cacacaaagt atattttat catggaaaaa tttcaactcc tcaaqccqta
                                                                    4140
atgttgaaca gaattggagt attttcttta taatttcttg aacaggcaaa tgaaagctta
                                                                    4200
ttatagaatg catgtatttt cttttatctt tggaacatca gcaccaqtat attqctqqca
                                                                    4260
gctattgtat taaaaaataa agtatatttt cactatcata aaggattctt ttttccccc
                                                                    4320
tcatgaaaat aaacaacaac ttggggtaaa aaaaaaa
                                                                    4357
```

```
<210> 6860
<211> 2959
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (300)...(2684)
<223> similar to gi4454257 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6860
tttcgtcgca ggggtgggag ctgttgccga agctgccaca gcaaaagttc tccccctcc
                                                                       60
ccccttcccc tcctctcaag gcccctagaa aggttggagc tgccgccgcc tgcagtcggt
                                                                      120
gaccgcgcga ctcggcgccc gcccgcggaa tcggatggca taagtgatta aggtgqtatt
                                                                      180
gaggatttct gaagcctatg aaaggtagaa actcaaccat gatttctttt tcaactctac
                                                                      240
agcatteett teettgaagt ettegttttt aeettagtet egggeagtta taettaagea
                                                                      300
tgaacattga cgacaaactg gaaggattgt ttcttaaatg tggcggcata gacgaaatgc
                                                                      360
agtcttccag gacaatggtt gtaatgggtg gagtgtctgg ccagtctact gtgtctggag
                                                                      420
agctacagga ttcagtactt caagatcgaa gtatgcctca ccaggagatc cttgctgcag
                                                                      480
atgaagtgtt acaagaaagt gaaatgagac aacaggatat gatatcacat gatgaactca
                                                                      540
tggtccatga ggagacagtg aaaaatgatg aagagcagat ggaaacacat gaaagacttc
                                                                      600
ctcaaggact acagtatgca cttaatgtcc ctataagcgt aaagcaggaa attactttta
                                                                      660
ctgatgtatc tgagcaactg atgagagaca aaaaacaaat cagagagcca gtagacttac
                                                                      720
agaaaaagaa gaagcggaaa caacgttctc ccgcaaaaat ccttacaata aatgaggatg
                                                                      780
gatcacttgg tttgaaaacc cctaaatctc acgtttgtga gcactgcaat gctgccttta
                                                                      840
gaacgaacta tcacttacag agacatgtct tcattcatac aggtgaaaaa ccatttcaat
                                                                      900
gtagtcaatg tgacatgcgt ttcatacaga agtacctgct tcagagacat gagaagattc
                                                                      960
```

```
atactggtga aaaaccattt cgctgtgatg aatgtggtat gagattcaaa caaaaatatc
                                                                     1020
atatggaaag gcataagaga actcatagtg gagaaaaacc ttaccagtgt gaatactgtt
                                                                     1080
tacagtattt ttccagaaca gatcgtgtat tgaaacataa acgtatgtgc catgaaaatc
                                                                     1140
                                                                     1200
atgacaaaaa actaaataca tgtgccatca aaggtggcct tctgacatct gaggaagatt
                                                                     1260
ctggcttttc tacatcacca aaagacaact cactgccaaa aaagaaaaagg cagaaaacgg
                                                                     1320
agaaaaaatc atctggaatg gacaaagaga gtgctttgga caaatctgac ctgaaaaaaag
                                                                     1380
acaaaaatga ttacttgcct gtttattctt caagtactaa agtaaaagat gagtatatgg
ttgcagaata tgctgttgaa atgccacatt cgtcagttgg gggctcgcat ttagaagatg
                                                                     1440
cgtcaggaga aatacaccca cctaagttag ttcatcaaaa aaattaatag taagagaagt
                                                                     1500
ctgaaacagc cactggagca aaatcaaaca atttcacctt tatccacata tgaagagagc
                                                                     1560
aaagtttcaa agtatgcttt tgaacttgtg gataaacagg ctttactgga ctcagaaggc
                                                                     1620
aatgctgaca ttgatcaggt tgataatttg caggaggggc ccagtaaacc tgtgcatagt
                                                                     1680
agtactaatt atgatgatgc catgcagttt ttgaagaaga agcggtatct tcaagcagca
                                                                     1740
agtaacaaca gcagggaata tgcgctgaat gtgggtacca tagcttctca gccttctgta
                                                                     1800
acacaagcag ctgtggcaag tgtcattgat gaaagtacca cggcatccat attagagtca
                                                                     1860
caggcactga atgtggagat taagagtaat catgacaaaa atgttattcc agatgaggta
                                                                     1920
                                                                     1980
ctgcagactc tgttggatca ttattcccac aaagctaatg gacagcatga gatatccttc
                                                                     2040
agtgttgcag atactgaagt gacttctagc atatcaataa attcttcaga agtaccagag
gtcaccccat cagagaatgt tggatcaagc tcccaagcat cctcatcaga taaagccaac
                                                                     2100
atgttgcagg aatactccaa gtttctgcag caggctttgg acagaactag ccaaaatgat
                                                                     2160
gcctatttga atagcccgag ccttaacttt gtgactgata accagaccct cccaaatcag
                                                                     2220
ccagcattct cttccataga caagcaggtc tatgccacca tgcccatcaa tagctttcga
                                                                     2280
tcaggaatga attctccact aagaacaact ccagataagt cccactttgg actaatagtt
                                                                     2340
ggtgattcac agcactcatt tecettttca ggtgatgaga caaaccatge ttetgecaca
                                                                     2400
tcaacacagg actttctgga tcaagtgact tctcagaaga aagctgaggc ccagcctgtc
                                                                     2460
caccaagett accaaatgag eteetttgaa eagecettee gtgeteecta teatggatea
                                                                     2520
agagetggaa tagetaetea atttageaet geeaatggae aggtgaaeet teggggaeea
                                                                     2580
gggacaagtg ctgaattttc agaatttccc ttggtgaatg taaatgataa tagagctggg
                                                                     2640
atgacatett cacetgatge cacaactgge cagacttttg getaaaaaaa aaaaaaaggg
                                                                     2700
gaaataatac tggcccttta aaacagatta atcaagaggg gggttactct gtgtaaatgg
                                                                     2760
agtgctgtac agatttaaga gcaatgcgta ataacaagtt aagctgatat gaatagcaag
                                                                     2820
ataatccaat aactgcattt cgtttggtta gtcagcattc tttgaactgc cttacatgtt
                                                                     2880
gtcaccttta tagaagcaat gcattacttg ttttagataa gacacctgct attccaccca
                                                                     2940
caccaagtta aaaaaaaaa
                                                                     2959
```

```
<210> 6861
<211> 1583
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (612)...(1453)
<223> similar to gi178997 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6861
aattcccaga caacgacagc tgatcaacta cttgaatttt ttaaacaagt tggagaagtg 60
aagtttgtgc ggatggcagg tgatgagact cagccaactc ggtttgcttt tgtggaattt 120
gcagaccaaa attctgtacc aagggccctt gcttttaatg gagttatgtt tggagacagg 180
```

```
ccactgaaaa taaatcactc caacaatgca atagtaaaac cccctgagat gacacctcag
                                                                      240
gctgcagcta aggagttaga agaagtaatg aagcgagtac gagaagctca gtcatttatc
                                                                      300
teageageta ttgaaceagg gtggetgeae teaaegagtt tatgeaatga etttettgga
                                                                      360
tgtttctgaa ggaggaggat gtacagagag taggcccctt gcactatatg tggtacattc
                                                                      420
cacttgtgcc tgattattaa ctgggatctt taattgttct gagcttacac tgcaaagtga
                                                                      480
ttttttcctc ccagagtctg gaaagagcaa tgaaagaaaa ggcggtcgat ctcgttccca
                                                                      540
tactcgctca aaatccaggt ctagctcaaa atcccattct agaaggaaaa gatcacaatc
                                                                      600
aaaacacagg agtagateee ataatagate aegtteaaga cagaaagaea gaegtagate
                                                                      660
taagagccca cataaaaaac gctctaaatc aagggagaga cggaagtcaa ggagtcgttc
                                                                      720
gcattcacgg gacaagagaa aagacactcg agaaaagatc aaggaaaagg aaagagtgaa
                                                                      780
agagaaagac agggaaaagg agagagagag ggaaaaggaa cgtgaaaaag aaaaggaacg
                                                                      840
gggtaaaaac aaagaccggg acaaggaacg ggaaaaggac cgggaaaaag acaaggaaaa
                                                                      900
ggacagagag agagaacggg aaaaagagca tgagaaggat cgagacaaag agaaggaaaa
                                                                      960
ggaacaggac aaagaaaagg aacgagaaaa agacagatcc aaagagatag atgaaaaaag
                                                                     1020
aaagaaggat aaaaaatcca gaacaccacc caggagttac aatgcatcgc gaagatctcg
                                                                     1080
tagttccagc agggaaaggc gtaggaggag gagcaggagt tcttccagat cgccaagaac
                                                                     1140
atcaaaaacc ataaaaagga aatcttctag atctccgtcc cccaggagca gaaataagaa
                                                                     1200
ggataaaaag agagaaaaag aaagggacca catcagtgaa agaagagaga gagaacgttc
                                                                     1260
aacgtctatg agaaagagtt ctaatgatag agatgggaag gagaagttgg agaagaacag
                                                                     1320
tacttcactt aaagagaaag agcacaataa agaaccagat tcaagtgtga gcaaagaagt
                                                                     1380
agatgacaag gatgcaccaa ggactgagga aaacaaaata cagcacaatg ggaattqtca
                                                                     1440
gctgaatgaa gaaaacctct ctaccaaaac agaagcagta taggaccgac aagtgtacct
                                                                     1500
ctgcactcaa tgctggaatc aaatccaaag cttttaattc tctcaacaag atgtaaacag
                                                                     1560
gaaagaaatc tagttgagca tga
                                                                     1583
```

```
<210> 6862
<211> 835
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (166)...(395)
<223> similar to gi456382 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6862
ttttttttt ttagggaaaa aaaaaaaac cccttcagtt tcctggtgtg atcctggtta
                                                                      60
aaatggatga tttttcattg aaagttttgc tgattaacaa ttaaagtggg atgatatgtg
                                                                     120
ggcaaaatca cttatgaaag tagaagcaag aatcagttgg tttgctacca cataaagcca
                                                                     180
tgctgtattt tggtcaaact gtgtaaactg gaaaaattca catcatttct gagtttaatc
                                                                     240
actttaggat atattcacat tgttttggtg aatttgctga attgaattgt ttttcttct
                                                                     300
caaatctgtg atctcttttc tttatcctgt ttctttgttc ctttcgtttg ctttcttatt
                                                                     360
tttcttttgt tccattcttt tcttactttt ttcccttttc cttttttggg gaggctggct
                                                                     420
agtagtgtgt gagaaaagaa tagaagtgaa atttgcataa tgaatgtaaa agggaaataa
                                                                     480
aagtettttg aaggtageta tactageact tttgateate tteagggeee acaaaaatgt
                                                                     540
tgtcaagatt ttaaaggttt ataattctgc ttaagctcta gtttggactt aggtatccta
                                                                     600
actatgttgg aggtatttgc attgtttaaa gttaggataa aagcaagttc ctcctgtgac
                                                                     660
tgcaacgtct tactgattgg gacagttgcc aggaggatac caacttgata gcagagggg
                                                                     720
ttttatgcaa acgcactcac ctccgccttg gggaatgaaa gggtcacttc tgcatcatca
                                                                     780
```

```
<210> 6863
     <211> 985
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (572)...(94)
     <223> similar to gil86800 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6863
ttttcataac catgctgtgt ttttattttt agttgtcaaa tgatccttta ttgaaatttt
                                                                      60
ttccttcgta gttcatagct agctggatat ttacttgcac cactgttgat ttgatgtcat
                                                                     120
ctatgatgtc aggaggctgg cgcccatcaa cattggagct cacaqactqq qcaqtctcca
                                                                     180
agatetettt aegggteeca gagagttetg tgaetaagga ttggtgetge atetgteatg
                                                                     240
caatcttgac agtgtcatga aaaatggcat ttccactgtg cttgattgtt ttgcttcttt
                                                                     300
ctgtctctgg ttccttgagg gctttgatgc tcacggcaga ggcagaaagt accacctcag
                                                                     360
totgagootg totgttotga atggtoagtt toattgtaat cotttgacto ttotggtgac
                                                                     420
ctgtggcctt gggaatgtca tcaccaactt attttggaga caggtccaga gggttgatct
                                                                     480
taagggctag ggcagacatg gtacccagtt ttccaccagg gcacctggca qqtatatqac
                                                                     540
tgatctcatt ggggttgaac ttgggcagca tggcagaggt ggctagatga acccaqatgt
                                                                     600
agtatgactg aagaaatgtg cactttggct teetecaage caagaggeee atgetgttgg
                                                                     660
ttttcctttc tgtgttacat attggcatgg gccacttggt gggggtccct tttgctgagt
                                                                     720
tttaagtgag gagcagaaca cagtcttttt cttcttttgg gattcctttc tttcaattta
                                                                     780
tctactactt gtgatatcag ccctgaatgg agaagccaag atacataaaa ctcacttttc
                                                                     840
ccctttaatc tctatctttt cttcccctga cattcccttg gtttggaaag gaaaacacc
                                                                     900
ccatcttttc tgtgcagtag ggacacctct tacatcaaag gtcatttctc tctaccaata
                                                                     960
gctttagaat tcaggttcat tgttc
                                                                     985
     <210> 6864
     <211> 893
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (261)...(638)
     <223> similar to gi2292990 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 6864 ggaaggggg ccccggagg tttttttta tgggccccc ccctttttt taattatat 60 120 tttttttttt tttttggcat ttttaattta ggtttgtttt atttaagttt aatgttaatt 180 ccatgctgtg tttcagtaag aacaatacag attctgtatc tgtggctcca gtcagatatc 240 cagtagtaca aattagcttc aagttacaca tactgaacaa aagaggttga gcgagcgaag 300 gaggggagga gtgaggggaa ggaggtaggg ggagggggaa ggagaagaaa caaaagaatt 360 gaacaggcat gcaggctttt ccataccacc ttcaacgcta acctgcttca gtgggagagt 420 aaagtaggca agaatgagca gccacggatt gttgaactgt taccagcacc atgcttttca 480 gcaacatttc agcggagttg gaaacatttt ttacagcaaa accattacaa cgaagtccct 540 ccccaaacca cctttaacca tctcaagcta acacccaatt acttgcaaac actggtataa 600 aacacagttt aaacaattag aaaaatgaaa actgatacca cttatgcctc tatagtgtga 660 ttaacctctc tcttagatgc ttgcatcacc tataagtcta atggctttca aatgtaattt 720 ccatttgcta atggtgatct tgccacatct ggcacggaga cgacacagta atgctgaaaa 780 agcctctatg tagtcctgtt agtgtcttaa agaacctaaa agctgggacc agtaaaatcc 840 acagaaattc actcttgcct ttaagaactt ttgaaaactg tttaaaaaaa aaa 893

```
<210> 6865
<211> 3365
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (597)...(2360)
<223> similar to gi575268 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6865 attacgcgaa caaatccttt ccgcaagagc tgagggacct gggtgcaacg cattctggaa 60 attgtagtet etgggegete eeggetgaae aceteeetge ggtetgtgeg agaaagagee 120 agaagccccc aggggagggc gaagaggagg gcggtggagt acgctctgcg cgcggtgcgc 180 catggaacgg gtagttegeg gtgcgegece categegete ccagatgggg aaceggaeta 240 ctctacccga gaggccgcgc gagcggggcg agggcaagcc gcccggggcc tcgaacaaat 300 caaatcgaag caaagaaact gccggctttc aaaatcctcc tcctccgcca tcatccgccg 360 cggtgcggag agcaggtggt gctggaagcg cgtgaggccg ggagctcgag agagctaaca 420 gactageegg etggacatet ggacegetgg ateeggaggt ggegaceeeg geetgaceeg 480 gaccetaaat ccgtccccgc cccagagggc ggaggcgcgc gctcgattcc cccaacgcgg 540 cggcgccgcc tgtttacgtc tgcagatctc caggggagcc caccagccta gtcaacatgg 600 cctcggaaga cattgccaag ctggcagaga cacttgccaa gactcaggtg gccgggggac 660 agetgagttt caaaggcaag ageetcaaac teaacactge agaagatget aaagatgtga 720 ttaaagagat tgaagacttt gacagcttgg aggctctgcg tctggaaggc aacacagtgg 780 gcgtggaagc agccagggtc atcgccaagg ccttatagaa gaagtcggag ttgaagcgct 840 gccactggag tgacatgttc acgggaaggc tgcggaccga gatcccacca gccctgatct 900 cactagggga aggactcatc acagctgggg ctcagctggt ggagctggac ttaagcgaca 960 acgcattegg geeegaeggt gtgeaagget tegaggeeet geteaagage teageetget 1020 tcaccctgca ggaactcaag ctcaacaact gtggcatggg cattggcggc ggcaagatcc 1080 tggctgcagc tctgaccgaa tgtcaccgga aatccagtgc ccaaggcaag cctctggccc 1140 tgaaggtett tgtggetgge agaaaccgte tggagaatga tggegeeact geettggeag 1200 aagcttttag ggtcatcggg accctggagg aggtccacat gccacagaat gggatcaacc 1260

```
accetggeat cactgeeetg geecaggett tegetgteaa eeceetgetg egggteatea
                                                                   1320
acctgaatga caacaccttc actgagaagg gcgccgtggc catggccgag accttgaaga
                                                                   1380
ccttgcggca ggtggaggtg attaattttg gggactgcct ggtgcgctcc aagggtgcag
                                                                   1440
ttgccattgc agatgccatc cgcggcggcc tgcccaagct aaaggagctg aacttgtcat
                                                                   1500
tetgtgaaat caagagggat getgeeetgg etgttgetga ggeeatggea gacaaagetg
                                                                   1560
agctggagaa gctggacctg aatggcaaca ccctgggaga agaaggctgt gaacagcttc
                                                                   1620
aggaggtgct ggagggcttc aacatggcca aggtgctggc gtccctcagt gatgacgagg
                                                                   1680
acgaggagga ggaggaggaa ggagaagagg aagaagagga agcagaagaa gaggaggagg
                                                                   1740
1800
ggcagggaga gaagtcagcc acgccctcac ggaagattct ggaccctaac actggggagc
                                                                   1860
cagetecegt getgteetee ecacetectg cagaegtete cacettectg gettttecet
                                                                   1920
ctccagagaa gctgctgcgc ctagggccca agagctccgt gctgatagcc cagcagactg
                                                                   1980
acacgtetga eccegagaag gtggtetetg cetteetaaa ggtgteatet gtgtteaagg
                                                                   2040
acgaagctac tgtgaggatg gcagtgcagg atgcagtaga tgccctgatg cagaaggctt
                                                                   2100
tcaactcctc gtccttcaac tccaacacct tcctcaccag gctcctcgtg cacatgggtc
                                                                   2160
tgctcaagag tgaagacaag gtcaaggcca ttgccaacct gtacggcccc ctgatggcgc
                                                                   2220
tgaaccacat ggtgcagcag gactatttcc ccaaggccct tgcacccctg ctgctggcgt
                                                                   2280
tegtgaceaa geecaacage geeetggaat cetgeteett egeeegeeac agtetgetge
                                                                   2340
agacgetgta caaggtetag acteaaagee teteceatee ettggeetgg accagtgage
                                                                   2400
tggggaggga ctcggatgaa ctgaggcgca gcctacgcca ttgccttgga caggactctg
                                                                   2460
gccacaggca gggcgggtct gtgtcccatg tgtcctgtca gtcccctgag tatgtgtgtg
                                                                   2520
ggtgtggcgc atgtgcaggt ctgtgcctcc tgtcgggatt tgggttttaa cgtcttctgc
                                                                   2580
tggcccagcc ctgctctgtt gtggggagtt ggcccccagg ggaaagggct gtgagctgct
                                                                   2640
cegecattaa acteacetee acetgaggge getetgetga teteegeetg ggecetgatg
                                                                   2700
gccgtcccca cccacctgcc ttccggcccg gctccctggc ggagccagaa cccaaggagt
                                                                   2760
tgcccgcgtg ctgtccttcc cctctgtgtt gtgattgggt tgtttcctgc cctgcctggg
                                                                   2820
getgettete gteaccaage cetggteetg eggeagetgt caccectace atceatacea
                                                                   2880
ctgtgctgac cgctcagcct gaagagcaga gaatgccatg ggtgggactg tgggggtcgg
                                                                   2940
atcgtggggt tgttggcaga gggcaaccct gggccccaca ccgtgtggac aggcagacac
                                                                   3000
cagattgtcc aggagcagga gctgctggga ctgcgctggc cccggaccta gtgggccttc
                                                                   3060
teetggetge tgagatgteg tetgtgactg geetggetgg agggggagtg ttgacaacce
                                                                   3120
aaagctgttc tccagtctgg ggagggagag gcagggtccc caatgtccga gctgcatctg
                                                                   3180
gacgctgctc ttaaaggacc tcctggggca ggggagcggt agggtctgga ctgggcagat
                                                                   3240
getgtatgae etecetgage accegtgaet geceeatget tteceetttg tgetetgtgt
                                                                   3300
gtgtctgggc tgtgcccggg ggcttcacaa ataaagtcgt gtggcagctt cagagaaaaa
                                                                   3360
aaaaa
                                                                   3365
```

```
<210> 6866
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (186)...(294)
<223> similar to gi2765297 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6866
ggcacgagga cttttcagtg gaaacccctt acaggccaag agagagaggc atgacatatt

```
taaagtgctg aaggaaaaaa cttctaccct agaatagtat atctggtgaa aatattcttc
                                                                      120
aaacatgaag gagaaataac gacttcataa gacagagaag tcgagtaatt tcatcaacac
                                                                      180
caqacctqtc ccacacaaat qctaaaqqqa qttcttcaat ctgaaaqaaa aqqatqttaa
                                                                      240
tgagcaataa gaaatcatct gaaggtacaa aactgactgg taatagtaag tacacagaaa
                                                                      300
aacacagaat actatattaa taacaataat tatggtgtat aaacgactca tatcatgaaa
                                                                      360
agatgaattg atcaagaata ataactacaa caactt
                                                                      396
     <210> 6867
     <211> 360
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (18)...(13)
     <223> similar to gi183885 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6867
ggcacgagca atactctcct attccaaact ccatgaggca ttcttcaaac gacgacgacg
                                                                       60
ctactateac aagectgtgg cgcgaggtga atgtctagga ctctggttga gaaacctca
                                                                      120
gaaggeteat ggaeggetae ceatggteee aaaggetett tgaecatggt cagaegetgt
                                                                      180
getetgeete tgecateatg ggeaaceeca gageetagge acatggeacg aaggtgetga
                                                                      240
cttccttggg agatgccata aagccacctg atgatctcaa gggcaccttt qtccctctqa
                                                                      300
gtgaactgca ctgtgacaag ctgcatgtgg atcctgagaa cttcaaqctc ctgtqaaatq
                                                                      360
     <210> 6868
     <211> 1348
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (998)...(808)
     <223> similar to gi1710216 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6868
ggcacgaggg cagtgccctc acctgggcca gccactacca ggagagactg aactccgaac
                                                                       60
agagetgeet caatgagtgg aeggetatgg eegaeetgga gtetetgegg eeteecageg
                                                                      120
ccgagcctgg cgggtcagtg tgtggagggg agggactggg tggaggggaa ggcaggataa
                                                                      180
tgcagtgggg ggcatggtgg agaggggaaa gggccccttg actgaggggc tctgctccca
                                                                      240
ggtcctcaga acaggagcag atggagcagg cgatccgtgc tgagctgtgg aaagtgttgg
```

300

```
atgtcagtga cctggagagt gtcacttcca aagagatccg ccaggctctg gagctgcgcc
                                                                     360
tggggctccc cctccagcaq taccgtgact tcatcgacaa ccagatgctq ctgctggtgg
                                                                     420
cacageggga cegageetee egeatettee eccaceteta cetgggetea gagtggaaeg
                                                                     480
cagcaaacct ggaggagctg cagaggaaca ggtagggcta tgagcccctc gggccaccca
                                                                     540
ccccatcttc ccttctcctg gcctccccgc attgggtggt agccagcttc aaaaacccct
                                                                     600
ggaccaccct cagcagctgc tagetetgct tetaactetg teetgggget gttgeeetgg
                                                                     660
tgtgggetec caggtgggga caggagacet getggecage cecegeceae teteeteeee
                                                                     720
catccacact gtgaaacaag gacagaaaca aagggcctca gccacgccaa gacgagaagc
                                                                     780
agcagcgcat actgctgtaa ctgccttgga caagcagaaa aaggctcctc ttgaatgcgc
                                                                     840
ctgtgggccc agctacttgg gaggctgagg caggaggatc gcttgagccc tggagattga
                                                                     900
ggccgcagtg agccgtgatc acgccactgc actccagcct gggcaacaga gagagaccct
                                                                     960
gtctctaaaa aataagaaaa aagaaagaga gaaaaagcct tttctccacc ttgccctgtc
                                                                    1020
tcagggaaga aggaactgcc cttctccccg tggggacctg gctgcctgct ctgacaggta
                                                                    1080
cetgteatet geceaceatg ggettetggg acetgetgta geceetgeea eceaetgetg
                                                                    1140
cagacccacc cacteteage ttageteaaa agetgttete taacteattt etgagaataa
                                                                    1200
ctgaagggct ggagttgcag ttggcccagc tgtctggacc agatggggaa acaagcccag
                                                                    1260
cagggcaaga tgattggtct aaggtcgcag ccaggtgaca gctgggtcac ttctcctccc
                                                                    1320
actgtcactg ctgcctccat ctgacttg
                                                                    1348
```

```
<210> 6869
<211> 5272
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (519)...(2416)
<223> similar to gi4589568 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6869 ggggagcacg gagctgcagc cggttgggcc ggtgtacttt cccgctctgg aaaggaagag 60 aaatggaagt gagaaagttg agcatttcct ggcagttctt gatagttctg gttctgatcc 120 tgcaaattct gtctgcgttg gattttgacc catacagagt cctaggggtc agccgaacag 180 ccagtcaggc tgatattaaa aaggcttata agaagctcgc ccgggaatgg catcctgaca 240 aaaacaaaga tootggagca gaagacaagt toattoaaat cagtaaggot tacgagatto 300 tttcaaatga agaaaagaga tcaaattatg atcaatatgg agacgctgga gagaaccagg 360 gctaccagaa gcagcaacag cagcgagagt atcgcttccg ccatttccat gaaaattttt 420 attttgatga atcctttttt cacttccctt ttaattctga acggcggggac tcaattqacq 480 aaaagtattt attgcacttt tcacattatg tgaatgaagt ggctccagat aqcttcaaqa 540 aaccctacct catcaagatc acctccgatt ggtgctttag ctgcattcat atcgagcctg 600 tgtggaaaga agtcattcaa gaactggaag aattgggtgt aggaattggc gtggtccatg 660 ctgggtatga gagacgcctg gcccatcacc taggggcaca cagcacgccc tctatcctag 720 gaatcattaa cgggaaaatc tccttcttcc acaatgcagt tgtccgtgaa aatctgcgac 780 aatttgtaga aagtcttctt ccagggaact tggtggagaa agttacaaat aaaaattacq 840 tcagattcct ctctggctgg cagcaagaga ataagcctca tgtccttctg tttgaccaaa 900 cgcccattgt gccactgtta tacaagttga ctgcctttgc atacaaagat tatttatcat 960 ttggatatgt atatgtgggt ttgagaggga cggaagagat gacaaggcgg tacaacatca 1020 atatctacgc ccctaccctc ttggtcttta aagaacatat aaacaggcct gccgatgtta 1080 tccaggcccg aggtatgaag aagcaaatca ttgacgactt catcacccga aacaaatatc 1140

```
tattggcage caggeteace agecagaagt tgttecatga actetgeeet gtgaaaeggt
                                                                     1200
cgcatcgaca gaggaagtac tgtgtggttt tattgactgc tgagactacc aagttgagca
                                                                     1260
aaccetttga ggettteetg teetttgeee tggeaaacae teaagacaea gtgagatttg
                                                                     1320
tgcatgtcta cagcaatcgg cagcaggagt ttgccgacac cttactacca gacagtgagg
                                                                     1380
cgtttcaagg gaaatcagcg gtgtctattt tagaaaggcg caacacagca ggaagggtgg
                                                                     1440
tgtataaaac cctggaagac ccttggattg ggagtgagag tgacaaattt atcctcttgg
                                                                     1500
                                                                     1560
getatetega ecagetgegt aaagateeag etettetgte etetgaagea gtgetteetg
acctgaccga tgaacttgcc cctgtttttc tccttcgatg gttctactct gcttctgact
                                                                     1620
acateteaga etgetgggat ageattttte acaacaactg gegggaaatg atgeceetge
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tgtccctgat cttctctgcc ctcttcatcc tcttcggcac tgtcatcgtt caggctttca
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gegaetetaa tgatgagega gagteaagee etceagaaaa agaggaagee caagagaaga
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ctgggaaaac tgagccaagc ttcaccaaag aaaacagcag caagattcct aaaaaaggct
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caggccacat gaatgtggtc ctcatcctgt cgaattctac caagaccagc ctactacaga
                                                                     1980
aatttgcttt ggaggtctac acatttactg ggagcagctg cctacacttc tccttcctga
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gtctagataa acacagagaa tggctagaat acttactaga atttgctcaa gatgcagctc
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caatcccaaa ccaatatgat aagcatttca tggagcgtga ctacactggt tatgtactgg
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ctctgaatgg ccacaagaaa tacttctgcc tcttcaagcc ccaaaagaca gtcgaaqaqq
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gagggaagcc ataggggtcg tgcagtgatg ttgactcttc cctctacctq qqtqaatctc
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gagggaaacc ttcctgtggc cttggatcca ggcccatcaa aggaaagttg agcaagctct
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ctttatggat ggaacgcctg ctggagggct ccttacagag gttttatatc ccatcatggc
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ccctgtgaac aggtattttc aggactcaaa ctaccacaat gaacagagta tagattttag
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tgaaaaacac caccagtttg aatcgcctaa atgaaaatct tttcctctgg gtgttatttt
                                                                     2640
tecceactga atgecaeace attgaaaata gactgeteat eccetettee tttettgtee
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tggcaagcgg catctggcgg accetcatga gcctgttcgt gcaggccagg tcattggccc
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ctttcccaat tccggccctg ctgtgctgct gccatggcgc atgctcctaa ctctgaacaa
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cccacggcag cttctagccc cgcatctgga aaaaggcccc tttccaagca atctcacgtt
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gtttgttggc cacaggttga aaaggaaagg aataaacggg agttctgcat gtgagttctc
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aagaaaagga aagggaggct gagcagtggc tgaagcgatg cagccttgag acacgctgtg
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agtactgtga tgactttgag ccgttgacat gtatgtcttc agatgccttt ctgcctctgt
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cgattttagg gtatggatat taggagccat aacttgtaat cttgttctct gaacgtagag
                                                                     3300
ataagetget ataaageeag tagatgttaa aetgaagaga aattatteee aeetgetatg
                                                                     3360
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gtatcaagga acttaaaatt tctcaacaat tgtattttga acactgttac cctaaaagtg
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ctgtctcttc aagtcatctt ttgcaggaag tgagccaaga tttgttctag actcccattt
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tgcaaaaggc ttactttcca cttctgggct gtattttgat gtctcatctt cattgttttc
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actictiaact tagagetget teaccagtat tggggteaga etggeeatea geacetgage
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gtgctgagct ccaggtatag tggaccccag ggtgcctcat accagccagt tagagagcat
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accttttatt tttcagggca gaatgaccag tggttctgag tttgagtttg gacagcttca
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aagagtggtc cgttcaaatg tcaaagcaag gtgcctttgg tggctttgtg aagggtgaaa
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atcagtgatg ggacatttac taagtatttc ttttttttt tttttttt tagttgttga
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gacagagttt cactettgtt geecaggetg gagtgaaatg gtgegatete ggtteaecge
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aacctccaca tcccaggttc aagtgattct cctgcctcag cctcctgagt agctaggatt
                                                                     4020
acaggcatgt gccaccatgt aattagcccg gctaattttg tatttttagt agagacggga
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tttctccatg ttgatcaggc tggtcatgaa ctcctgacct caggtgatct gcctgcctca
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gcctcccaaa gtgctgctgg gatcacaggc gtgagccacc actcccggct aagttagtat
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ttctttaatc ttaatgcttt aaactaagcc acttggatcc tgaataattt aaatcttgag
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ctacattggt aagtaataaa ttatttaagg ccaggaattc ctgtagtttt catggagtct
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gtagctttat taaaaaataa atcactgcca ggcttcattc ttccatatga tcctctaaaa
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atggacactt cctctgaatg ctgtatctca tggcacctgg tccaactaga aatggtcaag
                                                                     4440
gaattcattt ggctccttga tacatcagtc ctcaatatta ctttctaggt attttatggc
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cagattgctt atatgagtgg tcttttggtt tggtagtagg tttttatttt taatttctgt
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```

```
4620
actaatgaaa ttcctgactt taatttctga aaaccaaaaa ctctccaagt gtatttattt
atatttttt taatagagac gaggtcttgc tatgttgccc aggctggtcc caaactcctg
                                                                     4680
gcctcaagca gtccttccac cttggcctcc caaagtgctg ggattatcag tatgagccac
                                                                     4740
catgccagat ttgttcattt ttaaacattt ttatctcttc aagtcatctt ttgatctttt
                                                                     4800
aaaaagcacc ttcaaacagc tgcaccttcc atttgcacta ggaaatgaag gtagtgatgg
                                                                     4860
gattggcaat gttcctggca gatgtttcag cccaaaagct cttctacaga ccggtttaga
                                                                     4920
gctggtgccc tatgagaata ttagggagct tttattttaa attgaacttt accettqtcc
                                                                     4980
atgcaaggca ttcctcctga atgcatccat gaatttgttt acttttgcgt caaacatatg
                                                                     5040
agccattgtc atgctcagcc tgtgccacca ttggctctgt ctgatgtaag taatcataca
                                                                    5100
agacctgatt ttgggttcta acacagtggg tctttggact attcaacatt qqatqqtttt
                                                                     5160
tagagatggg ttcttctggt tgatacagac tactgcattg cgtttagcag atggggtaaa
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actggcctaa aacaagtctt tgcagaatac atgccaattt ccaaaaaaaa aa
                                                                    5272
```

```
<210> 6870
<211> 2018
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (284)...(1282)
<223> similar to gi1707500 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6870 ccagagetet ggtggccace tetgtecege catgetgete accgacagtg gecagggece 60 acagcaccaa gaggettggg ccacaaagta aaggtgcatc ctgtctggag cttgtgctgg 120 cccggcgagt ggagcccaga gcccatcccc cactaccaac atcccccaga ttgctgcctg 180 cctggccgag gaggtgctgg tcaagatgtg ttagtgagga gctagacaag atgagcacgg 240 tegeggagee tegeeggeeg ceatgtggag etgeagetgg tteaaeggea eagggetggt 300 ggaggagctg cctgcctgcc aggacctgca gctggggctg tcactgttgt cgctgctggg 360 cctggtggtg ggcgtgccag tgggcctgtg ctacaacgcc ctgctggtgc tggccaacct 420 acacagcaag gccagcatga ccatgccgga cgtgtacttt gtcaacatgg cagtggcagg 480 cetggtgete agegeeetgg eccetgtgea eetgetegge ecceegaget eeeggtggge 540 gctgtggagt gtgggcggcg aagtccacgt ggcactgcag atccccttca atgtgtcctc 600 actggtggcc atgtactcca ccgccctgct gagcctcgac cactacatcg agcgtgcact 660 gccgcggacc tacatggcca gcgtgtacaa cacgcggcac gtgtgcggct tcgtgtgggg 720 tggcgcgctg ctgaccagct tctcctcgct gctcttctac atctgcagcc atgtgtccac 780 ccgcgcgcta gagtgcgcca agatgcagaa cgcagaagct gccgacgcca cgctggtgtt 840 categgetae gtggtgecag caetggecae cetetaegeg etggtgetae tetecegegt 900 ccgcagggag gacacgcccc tggaccggga cacgggccgg ctggagccct cggcacacag 960 gctgctggtg gccaccgtgt gcacgcagtt tgggctctgg acgccacact atctgatcct 1020 gctggggcac acggtcatca tctcgcgagg gaagcccgtg gatgcacact acctggggct 1080 actgcacttt gtgaaggatt tctccaaact cctggccttc tccagcagct ttgtgacacc 1140 acttetetae egetacatga accagagett ecceageaag etceaaegge tgatgaaaaa 1200 gctgccctgc ggggaccggc actgctcccc ggaccacatg ggggtgcagc aggtqctqqc 1260 gtaggcggcc cagccctcct ggggagacgt gactctggtg gacgcagagc acttagttac 1320 cctggacgct ccccacatcc ttccagaagg agacgagctg ctggaagaga agcaggaggg 1380 gtgtttttct tgaagtttcc tttttcccac aaatgccact cttgggccaa ggctgtggtc 1440 cccgtggctg gcatctggct tgagtctccc cgaggcctgt gcgtctccca aacacgcagc 1500

```
tcaaggtcca catccgcaaa agcctcctcg ccttcagcct cctcagcatt cagtttgtca
                                                                    1560
atgaagtgat gaaagcttag agccagtatt tatactttgt ggttaaaata cttgattccc
                                                                    1620
ccttgtttgt tttacaaaaa cagatgtttc ctagaaaaat gacaaatagt aaaatgaaca
                                                                    1680
aaaccctacg aaagaatggc aacagccagg gtggccgggc cctgccagtg ggcggcgtgt
                                                                    1740
gctagcaagg cctgccgggt gtgccgcagt caccacaggg ttctgagaac atttcacaga
                                                                    1800
agtgcctgag acgcggagac atggctggtg ttaaatggag ctattcaata gcagtgacgc
                                                                    1860
getetectea gecaceaaat gteeetgaca eeeteeeeag eeeecacaga taacateage
                                                                    1920
tqaqqttttt ttcaqtatga acctqtccta aatcaattcc tcaaaqtqtq cacaaaacta
                                                                    1980
                                                                    2018
aagaatataa ataaaccaaa gaaaggtgaa aaaaaaaa
```

```
<210> 6871
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (318)...(40)
<223> similar to gi665927 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6871
attatgagct cgtttttctc tcttccggaa gctcagctga agcagtatgg gtagcgtact 60
ccaggagcac tgcaagtccc tctacggtgt tctccaggac tgtaggaatc tcatctgcag 120
gtgcaggtca agccctcct tgagcctgaa acctgaagag gagctctttc atcccatgca 180
aaggaatcaa ccacttcctg atcatctgct ccaggctgct cctgggctgt agcctcatca 240
gcaattgcct ggagtggctc cgccgagcc tgcagggcca ccaggagaat ggcagcaagg 300
agggcaaggc tccttatggc tggggtcaca gatcctca 338
```

```
<210> 6872
<211> 5941
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4277)...(4009)
<223> similar to gi288145 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6872
cccttctcct gtgggacaac cagggaccgc agctccccgc tccccaggtg tgggggctcc 60
gacacgaacg cctctgctcg cagggcggtg agcgcagatc ccacgggtcc ctcggtcggg 120
```

```
180
ggtcgaggct gcttccgttt ccatcccgga cccgacaatg ggcgggaaaa agaaggcttt
acacgactac gcggcggagt tcaccgacct ggtggtgaag cacctgattg agcacagtga
                                                                      240
                                                                      300
ctctggggac acgtctgtgg tggagaccct ttactgcagg gcctgcgagc tgcccgtgcg
cgtgcggagg gaccgcatcc tggaacacct gtcctcgggc aggcagcacg gcctgcggac
                                                                      360
                                                                      420
gcccattctc atgtaaatgt cagtgccaac gctggtgttt caggagtcat cccagcgggc
                                                                      480
tgegggetat tttaggatte tetgeeetge aaacgtttee aaagtaegtg gacaggeege
                                                                      540
ctgatgacac tacgtttacg ggatctgcta gtggcttgcc tacttaggga gtaaaccctg
                                                                      600
tgaagteteg cagttttgtt aaagtgtgeg tggccacetg aatqetqeet tatcacaage
                                                                      660
cagatacata ctggtctgta gggtaactcc ccactgttga tcctctgaga tgattgtgga
                                                                      720
ctgggtgctg tgagtcctgc cactttgttt aagtgaatgt gtcttttgtc cagctcagcc
                                                                      780
gcctcggatc tcgctgccac cagccttact gcacacccgt gccacccgcc cttgccccgt
cagoctcago otcagotcat tototcaggo agtoccagoa ttggcacggt acotoctcoc
                                                                      840
                                                                      900
getgtgggee acaegtetet geteeetgte aaceeteetg ceateageae caecaecage
gacttgtctg cccgggagga tgcaacacca tctgcctcca ccggccacct ttcagtgttt
                                                                      960
cetgetttee aagtaaagat accageagtg ceetcagage agaceageea gagtttttet
                                                                     1020
gaageeteee acagggtget eeeeggagga ggeeegagat getetegtga etttggagee
                                                                     1080
ggggtggctg gccaccttgg cctgggcatc tttggggtgg gcttcgggag cccggcactg
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ctgcagagtg tggtggatga gaacagctgc tgcttgctgt acgtggtgga ggaccagctg
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tgtgatgtgg agcaagcctt cagagctgag catttgggcc aacaccagag tggttcggga
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acaggatgca gacattgtcc tcaacgacca gcggcacttt gatccggttt tccagttctt
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gcacaagcaa gtttgtgtca gccacgccct ggggaggatc cactggatca ccgccgtcac
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tgcctgttcc cggcggcctc tccggcttcc ctaaagagag caggtgggac tttctacaac
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gctgctgtgc acgacgtgga tgccgtatgc atgttgctgg gggaagccac tccggacact
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gtgttttctc tgggacatgt cttctgccca gatatggccg ccttaaaaga tgcagatgct
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cagccaggtt gattgtgtgg gttagataga gatcatcagc ctggtagatt gtgtgggtta
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cagccgggtt gattgtgcgg gttagataga ggtcatcagc tgggttgatt gtgtgggtta
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gatagagatc atcagctggg ttgattgtgt gggttagata gaggtcgtca gctgggttga
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ttgtgcgggt tagatagagg tcatcagccg ggttgattct acaggttaga tagaggtcgt
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cagctgggtt gattgtgcgg gttagagatc atcagccggg ttgattgtgc gggttagata
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gaggtcatca gccgggttga ttgtgcgggt tagatagaga tcatcagctg ggttgattct
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gcaggttaga tagaggtcat cagctgggtt gactatgtgg gttagataga qqtcqtcaqc
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cgggttgatt gtgtgggtta gacagaggtc atcagctggg ttgattctgc gggttagata
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gaggtcatca gctgggttga ttgtgtgggt tagatagaga tcatcagctg ggttgattgt
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gtgggttaga tagaggtcat cagctgggtt gattgtgtgg gttagataga ggtcatcagc
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tgggttgatt gtgtgggtta gatagaggtc atcagctggg ttgattgtgt gggttagata
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gaggtcatca gctgggttga ttgtatgggt tagatagagg tcatcagctg ggttgattgt
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acgggttaga tagaggtcgt cagccgggtt gattccgcag gttagataga ggtcgttagc
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agtttataaa ataactactt ctgaactcct gagatctagt ggataccatg tatcctggaa
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gataggacac tttctaccct ctgtcagtcc tgggggtgac tgggaaccag agaggttgag
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cagaatteet ggacetgggt ggggettgte caagagggge aggtgggeet etetaggate
                                                                     3300
agtgtcccac ccagaggcca gtggcccctt cacatgcccc aacaagagga agactgtctg
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gctccgcagt gttgggtttt gtcctgaatc tgtgcaaatg tgcagggaaa taacctcctg
                                                                     3420
aaatcaccaa agagcagttc ctcagggcct tccgggtgac cgtggccgtg gagcaqtcqt
                                                                     3480
ggtgaaaccg gtcagctgtg gacctgccct gcgaatcggc agaggcctcc gtggtgaaga
                                                                     3540
```

```
3600
cagaagetee gtgaaceaae tegaggetgg agecaagate etgeetgata tecagttgee
                                                                   3660
tgtttcactt gttactgtta ctgggagagg gagacaaaac ctcatggcaa tcttgtcctc
actggagact cagaagggga agcattggga aaccatgtat gtttcatttc tggtttaacc
                                                                   3720
aggettttea ggatgggaet teagaceaag gacacaagtt gggettgett aggtgttttg
                                                                   3780
tgttgtgcgc aggcctcaga gatgctcttc cggtcagagt tcccttggca gggccttgga
                                                                   3840
ggcctctggt tggctctctc aggaagaggg caggtcaggg attgggcggt gtaaattgac
                                                                   3900
tcagaaacct gcggtttcag cttttctgtg gcaaacaggg ccgagggctg gtgaagctgt
                                                                   3960
taaggctaaa tgtcgcatgc atgaggcggg ctgcaggcct ccttaggcct tttttggggt
                                                                   4020
aattacacca gtatttaaaa acattttttt ttgtttgttt tgagatggag tcttgccctg
                                                                   4080
teacceagge tggagtgeaa tggtgegate teggeteact geaaceteeg teteceaggt
                                                                   4140
tcaagcgatt cttctgcctc agccttctga gtagctggga ttacacgcqt gtqccaccac
                                                                   4200
gctcggctaa tttttgtatt tttagtagag atgggatttc accatgttqq ccaqqctqqt
                                                                   4260
ctcgaactac tgacctcgtg atccacctgc cacggcctcc caaagtgctg ggattacagg
                                                                   4320
cgtgagccac catgctcggc ctaaaaaaca attttcttga agaatccgat tttgtgcata
                                                                   4380
gtaatgacac agcaccattc ctgagaaata ggaaatatat gtgtgtggta tgaaaaqccc
                                                                   4440
atattetgtt ettgtcacet gaatetagge tteetetttg gatgtgaacg egggaatgaa
                                                                   4500
cagtggctgt tttccaccca aaggggcgtg gagacctttt ggaaacgggc tttctccttt
                                                                   4560
ccattttgca gccgggggcg ggtggaaacc ttccttcgaa gggtagtgcc ttggggagca
                                                                   4620
gcagacctgc tctgagtcca gcttagcttt ccaaaattct gtgtggaact tactggagat
                                                                   4680
gtttttatat atttgaaaat aatggcctgt atttctcacg ctatacttaa aaaaaataac
                                                                   4740
taacctttta aacaaagata ttcaaactca cccttgtgct gaaagcactc acatttctgt
                                                                   4800
gttcattcct gaaagggcgt tttagagtcc ccgtttctac gttctatgtg gcaccctctt
                                                                   4860
gccgagggaa catccagaat ccctccactt cctgtctagt ttgaggcctc aacaccttca
                                                                   4920
tgatccagag tcctgcggct atgagggggt gggcccacca ccgcccaqcc ctccttqqtq
                                                                   4980
gacgtgggga caggtaggag cctagggaaa ggggtgggcq qqctctqqtq tqacqcqtq
                                                                   5040
agegetagee aggaaggtgg ggeeaggget gggeatggea ceteacetgt gggggaacte
                                                                   5100
ggcggagctt cctggcggca tctccccctc ttgccttggt cctttctatc tttgttttag
                                                                   5160
gccaatttct aaaaagactg aggcctcctt caagqttqaa cagatttcta gagccttgtt
                                                                   5220
tttqctgtga caagtcccta gtccctgttc acaactctga aaccaagaaa cctgagaacc
                                                                   5280
aagagaactg aaatgaagcc cgttggtctc agcctggctt gagccaacat gagqctctct
                                                                   5340
gctgcctttt gttttcttag gttttgctga gaaacgggag tgcgttctgt gtcggtgttt
                                                                   5400
gtgacgccct gagaccctgc ttggcctagc taaagtccag aaggcctggg ccccacaggg
                                                                   5460
cttggatgag ggctcatggg cctgtacttc aggaggcctg agaggcccgg tcagtcccat
                                                                   5520
gaggetacte ggettggeec geaggteete egaggeacag ggeagaggga caccecaggg
                                                                   5580
acccatcaga ctcacgacac agagaaactc aagtggggtg ccagggccgg ccacagaggc
                                                                   5640
cacgggette etgeetgtga egageegeee tgtttgtetg ageeetttgg agatttaggt
                                                                   5700
tgagtcatga gaaccggtca ttggaacata cactttatta tgttacaaaa acaaaaatcc
                                                                   5760
5820
tgttatgtca ttggagggcg tccattaata ctgctcggag aagcacgatc ttacacgaaa
                                                                   5880
aacacggatg ggatttcgtt ttcaccttta aagcttttaa aqtqctttaa cttqqtaaaa
                                                                   5940
                                                                   5941
```

```
<210> 6873
<211> 816
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (263)...(10)
<223> similar to gi187274 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6873 60 gggggcagat gtgtgaggat cactgcagtc caggagttcg atgtttcagt gagctgtgat tgcaccactg catatcagcc tgggtgacag agcaagaccc tatctcaaaa atacagaaaa 120 atcatcaacc acttgcagtc gtcgtagaaa tcaatcattc cctccaqtta tqtccctqac 180 ccacaggett catttgtgca agtactgggg ctgtgctgtc agtaatgtgt geegettetg 240 ggaaggacgt ccattgccct tgatgattgt ggtaccatac acactgcctg tttccttgcc 300 tgttggttcg tgcgtgataa tcacagggac accgatcctc acttttgtca aqqacccaca 360 gctggaggtg aatttctaca ctgggatgga tgaggactca gatattgctt tccaattccg 420 actgcacttt ggtcatcctg caatcatgaa cagttgtgtg tttggcatat ggagatatga 480 ggagaaatgc tactatttac cctttgaaga tggcaaacca tttgagctgt gcatctatgt 540 gcgtcacaag gaatacaagg taatggtaaa tggccaacgc atttacaact ttgcccatcg 600 attocogoca goatotgtga agatgotgoa agtottoaga gatatotoco tqaccaqaqt 660 gcttatcagc gattgaggga gatgatcaga ctcctcattg ttgaggaatc cctctttcta 720 cctgaccatg ggattcccag agcctactaa cagaataatc cctcctcacc ccttccccta 780 cacttgatca ttaaagcagc accaaacctc aaaaaa 816

```
<210> 6874
<211> 3039
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (2825)...(40)
<223> similar to gi3599336 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters
```

```
<400> 6874
ttttttttt ttgtctttat catttattat ttttatttgg acaacatata tacatatgta
                                                                       60
caaaatacct actgtcagaa tcctctttta taatttcatt tgatttacaa aaacgggaca
                                                                      120
gcaaaataac ttaggtcact aatactgtac aaaaataaaa ctgattaaac agttgtaaaq
                                                                     180
atcagtatct tacagtgtta cagatcatct gatgtgaaag aacatctcaa tctatccgag
                                                                      240
tgatgagtac tgtgctaaat ctatctgcaa actgacaaac taatcagttt ctgtaattgt
                                                                      300
aactaccaaa tagaattete aagagaagea tgatgtggag etaaacetta aageeaggge
                                                                     360
atcattccac aatggtgaag ggctttcttc ttccctaacc aaagagagga gatatcttaa
                                                                      420
ctctaaaact attaaatttt ccagaatatg acaactactt acagtattag ataaaacaac
                                                                     480
ttttctttct ttttaaacac ctgcaatagt ctttcaaaaa ttcagtttgg ttaaaaaagt
                                                                     540
aaacaaaaat tactatcctg catttggatt ttcataagtt aaatccatgg tctttttaat
                                                                     600
ataaaaagta attgtttcat agttttagtg ttcaatgaac tctagtagtc ctatttgaac
                                                                     660
catatcttga tatagtaaat ctaattagaa tgctggttcc tgttttgtga cattttaaaa
                                                                     720
caggatttaa tcacaaagaa taaaaaggct tgagtttata cgttacatta ctataacata
                                                                     780
taagagaata tcaaatgtgt gtttgtcaac aacttgaaaa ggcaagtaac aactttttg
                                                                     840
ggaagtaaat tgtgcatttt tttaaaacaa gttgctgcat ttatatccat ctaagtgctt
                                                                     900
gacaaaagcc acatttagat ttactcctga aactataaag attqtctttc actqactttq
                                                                     960
ctttgctttc tttcgtttct ttctgtgagg gaaagatgac tttttacaag ttagcaagtt
                                                                    1020
gctaggcaac cccaaactcc tcactcacta aaaggcagcg tgcagagtat cataagcaga
                                                                    1080
accattccat gagctcagtg agaaataggc agcctaacct atttcgtatg gaagaacaga
                                                                    1140
```

```
tgtccttaaa acttattttg gacacagaaa ttaaaatttg qtttaaaata agtqtttcaa
                                                                     1200
aaatctgaaa cagaggtaga aagtgttctt tatttttcct gacatgtttt ctcgtgagaa
                                                                     1260
aacactttcc tttttatccc atggactgct cccagtccct aatgttaaaa gcagttctct
                                                                     1320
ttatagaact actaatacaa ctacgttggt taaacaaaaa aacactgtgc tagtgatggc
                                                                     1380
tgttgtattg gaagttggag tcagccgtga cccgcgccca ctgcaggagc ccacactgat
                                                                     1440
tetgaateag aaacgagtat gggteaggtg aaataggtag geaccetatg tttacacatt
                                                                     1500
tcagagcgca agtataaact agagtgcacc atagctccct gttttaaata tcagataaaa
                                                                     1560
tcatcagaaa gcgttacttc tgaagaaaaa aaaaatgtaa acatttcccc catgatcact
                                                                     1620
gctgactccc ctcatttgag gtcttaacta cgaaaactca gttcactttt ctggcctcat
                                                                     1680
aaaggccaca gttaagtttt caggtaaatg gcatagatgg atgtagtggt ttcagccatt
                                                                     1740
atagacacct agatacaaga tatattagtg gtgaggctat tgatgtaaaa gatacagtga
                                                                     1800
tgtgatttca ttcgtagtat tccatgttgc ctgcattctc cacaagggac gattttgcag
                                                                     1860
agtctcctct gaaatcattg tggtattttc ccttggtgtt cactagttat aggggttgat
                                                                     1920
ttttctgttc ctatttcagc tccctttcct tctacataac tcttgcacct gagagtggga
                                                                    1980
gttttgtagg aacacaggaa ggagaccaac aaaccttttt ccccaaaaaa taggtgtttc
                                                                    2040
cagateteat tactgttatg caeaacattea aataaaacee aacagagtea aaagetetet
                                                                    2100
cccctagtgg cattaggata caataatgat gttaactaaa agcataggaa aatttggaaa
                                                                     2160
agttaataga gttaaaattc tgttggttct tttcttttc ttttgcaaaa cactacctc
                                                                    2220
cttctccttc agcatctgtt gtgtatattc tgccctcaca tctctgccat gatttcttag
                                                                    2280
ggaaacgtgt atattgtaaa ataagcagat tataacgtgg tgccaaacag aacatctqct
                                                                    2340
tctatcctca aagcatgtat cttaacttat tcatcctctg cattagaaaa taaaagtgca
                                                                    2400
cgcttatgtt caaaaaagta caactcatac aaaagcaaag gtttaaaagt tctgtactta
                                                                    2460
gtgtaacctt tcaaaggttt gtcttgatta gtataaattc agactctgct tacccattga
                                                                    2520
ctataagtaa ctgttttttg ttttcaagtc tttagatgac agatcatgct ggagtagatg
                                                                    2580
tgctcttgct tgcataaaga cagctgtgct atggcgtttt tttttttaat ctcaaaagtt
                                                                    2640
aacgtgattc aagagagtgg ttttgctaaa caaactgaag cacactcgtc attacattaa
                                                                    2700
aaggtaagaa aacaattctg agagacagca agcataaagg gcccagaatc actgtgcgag
                                                                    2760
gccacaggtc aactcaccca gcggacatat gtacaccagt gttgaatctt taaaattcta
                                                                    2820
ccccagacca gtgtctctcc tgaacataga ggcaaaaatc ctccactaaa tacaaqcaaa
                                                                    2880
tataatccaa caatgtataa aaataattat acaccaagaa caagtgagac tcataccaaa
                                                                    2940
tacgtgagat tgactgagca ctgaaaaatc agatgatgca acccatcaga ttaacaggct
                                                                    3000
aaagaagagg aaaatgatat aactttatca atctatgcg
                                                                    3039
```

```
<210> 6875
<211> 1919
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1920)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1621)...(1814)
<223> similar to gi733571 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6875

```
60
gacatgaaca tgcatacgta atattctacg cacacatcac agcttttaac gttagttaat
                                                                    120
aaaggttaaa cacacaacat acateettae aaaaaaagte aaaatgeaaa ettaaaaett
                                                                    180
taaacaaaag tattactaat ttaaaaaaag tttgtgttgg gtaccatttg tacaacacag
                                                                    240
ttaatttaaa cattttcatt ttggttgcac atgaaaaaqq cqqcaqtaqa aaataaaqtc
                                                                    300
attgagggtt tttaaatagc agaataggca gttttgccat qcaqqaqaaq caatattaaa
                                                                    360
tattagtttc aaaaaaaatc cacatttaaa aatatttagt tcaagtcaca gaatttttct
                                                                    420
cagtagagac cccaatgcaa tgcataatta gctgccttag atggcccgtt tgaaaggatg
                                                                    480
atatecette agagtgtaae tttaetgatt ttggcacaga aaagaagtet taagaacatg
                                                                    540
attaaaaaag agggaagagg aacagaggaa agaaataaaa gcaagaataa atgagatagt
                                                                    600
aattgcaatc actaaaaaac tgcattctca gtcattgcag aatactgtct tctgtctaca
                                                                    660
gcaggtgctt attccagaat tgttattgca gcatggattt aatttgcttg gaggtagtct
                                                                    720
catcattcaa atgttttgtt gtgtacctga gagcatttag aagaccttcc acactattag
                                                                    780
gaggttggtc cttaagaact ttgatacaac ctttcatatc aattttggaa gttttagcaa
                                                                    840
atgeteceae tggatgtaeg tggteataga gtattatgae acceaecatt acceteaage
                                                                    900
agaatgacac tgtctcttca tttgtaaatc tgcttctgta ttccggtqtt tccaqcatqa
                                                                    960
ctctgcatac actagccatt gtgcttaaac aatctgtggt attttctatt qqtaaatttt
                                                                   1020
tattetetga tacaaatttt gttgtggcat cacteaaggt tttcaqeatt qqaqttqcct
                                                                   1080
cagcataaaa caaagacatt cgatttgcca attcattatt tacttcattt tctccttctg
                                                                   1140
ccggtacatt gttaatcctc atacgactca atgttcttct ataatagctg aaatcattct
                                                                   1200
gtatggcagg atttgtcatc ttgagttcat caaaccggag tgtgaaatga agaatttctg
                                                                   1260
caaactgttt agcaagagcc tgctctcgct ctagatgctg ggtgggagaa tatggggtac
                                                                   1320
ttgttaaggc tcccagaaga cctcttaatg ctgcttctaa cctctgagaa aattcgtaaa
                                                                   1380
atttetttaa tttgeetaet agtggaacaa etgeacecca tgeettetet tgeaacttet
                                                                   1440
catctgctgg atgctggatt gcctctcgta tttcgtqgcc aqctcctctq tatqactqca
                                                                   1500
agtcctccaa gatgccttct gcatctttta atactacatt cacctgatta taaatttcct
                                                                   1560
tctcagactc tgtaggctgg gcatctgcca cttttcaaaa tcaaggaaaa aatttggccc
                                                                   1620
ctgctcaagg tctgtgcatg tcaaaacttt aagaagattc cccatgttaa ggtaccttca
                                                                   1680
gccagtgctg gtgattctgt ccttgtcctt ctatccttgg attggcgttc cctctttcct
                                                                   1740
agttcacttg ttccagtcct tcaacttctg tttcttgcta acaggtgtgc aaatgaatta
                                                                   1800
ccaactgggt aaccttgaat gagttaatca aattccaggc ctcagtttct tctccttcga
                                                                   1860
gaagccgagc cgccggcgct cgcacaaaag gaggcacgct gntctcgacg cgcctcccc
                                                                  1919
```

```
<210> 6876
<211> 1864
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1865)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1)...(1865)
<223> n = a,t,c or g
<220>
<221> misc_feature
<222> (1382)...(1743)
<223> similar to gi200543 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6876

```
tttttttttt tttaaaacaa tgtggtactg gtgtattgac agtaatgtcc acgaaacaga
                                                                       60
atgaaaaccc ccaaattaca ttaggtttac actgggagtt agcaaaacaa aagggcagca
                                                                      120
ttaaccgaca tacagcacgt gggaggatgg tggaaaagct ggacatgact cactggacat
                                                                      180
ttcaactgaa accacagagg ttcttgaaaa tgctggagaa ttccctgatt gccttatcag
                                                                      240
ttacaaaccc aaattcagaa tcatgtgaca gctggataca ttcaactgta cgtacaaata
                                                                      300
atgatcaaaa aacacaaaag ttgggtagtg gttaccatag cttttactgt agttattcat
                                                                      360
taagctattc aactgttctg tgcagtttga tgttttattt tacaataaaa agtcaaaaaa
                                                                      420
aataagcaaa aagataaact ggaaaataag acttacatct catatatatg gacaaaggac
                                                                      480
caattacctc caaacataaa cagctcctag aaattactgc aaagatcaac aacccagtag
                                                                      540
aaaaatgaat gaagttccca gaacagaaaa cacaagtggc ccttcaaaaa aatgaagaga
                                                                      600
ggctcagcct cttatggtaa gacaaagaga caggatttta aaaacctagg cctcttccta
                                                                      660
gagttccctt aaatatctag gccagatcat ttttacttcc tggcttagac cctgccaagg
                                                                      720
gctgcccagc tactcaggtg tttgtgtcct tgtggactca agtcatattg tcctgatctt
                                                                      780
ttggctgagt acggttttct cctccagcaa agacaatttg gaggatgtac taagcatgaa
                                                                      840
gegetaette etggeeceea tetetetteg cacagtgtte cateatecag ceatgaaage
                                                                      900
acagctgagt gatccaagag gcagttccaa ttgttgacta acgtgtacct gcctatgtga
                                                                      960
gtgtgtccta tgggaactca ggccttagaa tggtttcaaa gtagtggctt tcaaaattac
                                                                     1020
tgtttgcctc ttcaaacttc acacctaagg aaaatggaaa catgcagagc agggacacag
                                                                     1080
aaggggcatt agctggcgtg gggtaggggc aagagctaat tgtgaaggaa gaaggcctga
                                                                     1140
gatcacgtag ccatgtcgga gaacagctgt gctcgctgcc ctgcctcttt gcgcgcatgt
                                                                     1200
caggcagccc caggctccag ctgcttgagt ttctcttgga gtccccggag ctggcttcga
                                                                     1260
ccccagtcaa tgcggttctg gaggctggct atgtctgcgg ccagctgcag gccatcccgg
                                                                     1320
aagcttgctt gagcctgacg tagactgtga ggaactagga ttccaaacca gttcaggggg
                                                                     1380
tectgagggg ceteagagga eteeggttet ggggtettag tggggeeett gegeeteege
                                                                     1440
agacctgctt cgcgaggccc cacctcctct ggggcgtgga caccagctct caccaccttg
                                                                     1500
aacttetgga gteeeteetg ggeetegetg gegtggagge agacetgggg eteeatgtgg
                                                                     1560
gaagcatact gcaggggccc taccgacttg gcgcccatcg cgtagcgagc cttggcgagc
                                                                     1620
gagagecage cetectecae eegggegtte aacacegtte gttteecete cageteetee
                                                                     1680
aggtccccaa gcagctgcag gaccagcgaa tccagctccg ctcgcaggtc aagcgccgcc
                                                                     1740
atggacacac ctccagatct ggagccacct tcttccttgt caccctccgc agtttggcag
                                                                     1800
gacanccaat aggcacacga gatcctccat caaggggcgt tcccagtctg gggatcccca
                                                                     1860
nggc
                                                                     1864
```

```
<210> 6877
<211> 1910
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (512)...(1234)
<223> similar to gi3766377 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6877
aagaacttct gcaatccttt tcatgaaatg atatacaacc acttcctgtt gtgtcacact 60
tgcctgcagt aacatgctgt aaggtttgtg gcataggagc agtgggccat accatataat 120
caaggtgtca catcccggtg gctggacatg ccctcttggg cttggcagat gccagtggat 180
ccatacaact gctccgctg gtggaatctg aggtcagtga cttgcacttg ttctgtgggg 240
cagaagggac ctgaatagag agggttgggg aggaggctgt gctgatacag acattttct 300
```

```
aaaacgatct ctcttcaatg gtgagctata tataaacgtt ctaagataat gtggagtcta
                                                                      360
tttttaagtt gtattgcgtt ctacatccaa ctccaagagg aagtcacctc atgtgtcacc
                                                                      420
                                                                      480
agcagaaggg ctgaagtgac aggatgttca ttgacctgtc agtggatctg aaagttctct
aaggagagcc tgggcaagca ttcttaggtt gatgctgggg cccagagtag cagtgagcat
                                                                      540
cctgtgtgaa gatggcattt ctcactgatt attggaaaag cactagaaga gccacgtgct
                                                                      600
                                                                      660
ggagccattg tccagccttg ccctggagga gcagtgtctg gctttgtccc tagattggtc
cactgggaaa actggaaggg ccggggacca qcccttgaag atcatcagca gtgactccac
                                                                      720
agggcagete caceteetga tggtgaatga gacgaggeee aggetgcaga aagtgqeete
                                                                      780
atggcaggca catcaattcg aggcctggat tgctgctttc aattactqqc atccaqaaat
                                                                      840
tgtgtattca gggggcgacg atgqccttct gaggggctqq gacaccaqqq tacccqqcaa
                                                                      900
atttetette accageaaaa gacacaccat gggtgtgtge agcatecaga geageeetea
                                                                      960
tegggageac atcetggeea egggaageta tgatgaacac atcetactgt gggacacacg
                                                                     1020
aaacatgaag cagccgttgg cagatacgcc tgtgcagggt ggggtatgga gaatcaagtg
                                                                     1080
gcaccettte caccaccace tgeteetgge egeetgeatg cacagtgget ttaagateet
                                                                     1140
caactgccaa aaggcaatgg aggagaggca ggaggcgacg gtcctgacat ctcacacatt
                                                                     1200
gcccgactcg ctggtgtatg gagccgactg gtcctggctg ctcttccgtt ctctgcagcg
                                                                     1260
ggccccctcg tggtcctttc ctagcaacct aggaaccaag acggcagacc tgaagggtgc
                                                                     1320
aagcgagttg ccaacaccct gtcatgaatg cagagaggat aacgatgggg agggccatgc
                                                                     1380
cagaccccag agtggaatga agccactcac agagggcatg aggaagaatg gcacctggct
                                                                     1440
geaggetaca geageeacea caegtgactg tggegtgaac ceagaagaag cagacteage
                                                                     1500
etteageete etggeeacet geteetteta tgaecatgeg etceacetet gggagtggga
                                                                     1560
ggggaactga gcttgaaatc atgaagcccc ttcccacaag gaaaccagga gggagactgc
                                                                     1620
gagtgagtgc ccgggaccac ctcatcagag atgcttactg cagccctgca gqtgcctgtq
                                                                     1680
cactgatgga atccacagtg tagtcagaaa agctgttgac ttctcttaaa tcagcttccc
                                                                     1740
tgctgggccc ctgaaagtgg actgggtgat tctgtctggc agagagtggg gaaaagacgc
                                                                     1800
ggtttccagc ttgcagattt gttaagtttc tcaggcagat tttgactttc agcctttcat
                                                                     1860
acttgtttaa gcaactattt gtattaaatg aagttttttg aaaaaaaaa
                                                                     1910
```

```
<210> 6878
<211> 1978
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1912)...(803)
<223> similar to gi3236353 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6878
acccctgcag taccgttgcg gacttccgcg gtaccagccc ggcattccag aatagaccca
                                                                       60
cgcgtccgcc cacgcgtcct cggacgcgtg ggcaaaagtt tatctctttc tttagtagct
                                                                      120
ttgctcctat aacttgcaag agtctgttta ttaccaacat tgtcctcttg actaatatgt
                                                                      180
aggattttgg aagtcctccc tccatcacat caaaatggtt ttgctaatqq acatqttaac
                                                                      240
agtgtggatg gagaaactat tatcatcagt gatagtgatg attcagaaac acaaagctgt
                                                                      300
tcttttcaaa atgggaagaa aaaagatgca attgatccct tactattcaa gtataaagtg
                                                                      360
caacccacta aaaaagaatt acatgagtct gctattgtta aagcaacaca aatcaqccqq
                                                                      420
agaaaacacc tattttctcg tgataaacta aagctttttc tgaagcaaca ctgtgaacca
                                                                      480
caagatggag tcattaaaat aaaggcatca tctctttcaa cgtataaaat agcagaacaa
                                                                      540
gatttttctt atttcttccc tgatgatcca cccacattta tcttcagtcc tgctaacaga
                                                                      600
```

```
cgaagaggga gacctcccaa acgaatacat attagtcaag aggacaatgt tgctaataaa
                                                                      660
cagactettg caagttatag gagcaaaget actaaagaaa gagataaaet tttgaaacaa
                                                                      720
gaagaaatga agtcactggc ttttgaaaag gctaaattaa aaagagaaaa agcagatgcc
                                                                      780
ctagaagcga agaaaaaaga aaaagaagat aaagagaaaa agagggaaga attgaaaaaa
                                                                      840
attgttgaag aagagagact aaagaaaaaa gaagaaaaag agaggcttaa agtagaaaga
                                                                      900
gaaaaggaaa gagagaagtt acgtgaagaa aagcgaaagt atgtggaata cttaaaacag
                                                                      960
tggagtaaac ctagagaaga tatggaatgt gatgacctta aggaacttcc agaaccaaca
                                                                     1020
ccagtgaaaa ctagactacc tcctgaaatc tttggtgatg ctctgatggt tttggaqttc
                                                                     1080
cttaatgcat ttggggaact ttttgatctt caagatgagt ttcctgatgg agtaacccta
                                                                     1140
gaagtattag aggaagctct tgtaggaaat gacagtgaag gcccactgtg tgaattgctt
                                                                     1200
tttttcttcc tgactgcaat cttccaggca atagctgaag aagaagagga agtagccaaa
                                                                     1260
gagcaactaa ctgatgctga caccaaagat ttaacagagg ctttggatga agatgcagac
                                                                     1320
cccacaaaat ctgcactgtc tgcagttgca tctttggcag ctgcatggcc acagttacac
                                                                     1380
cagggetgca gtttgaaaag tttggatett gatagetgea etettteaga aateeteaga
                                                                     1440
ctgcacatct tagcttcagg tgctgatgta acatcagcaa atgcaaagta tagatatcaa
                                                                     1500
aaacgaggag gatttgatgc tacagatgat gcttgtatgg agcttcgttt gagcaatccc
                                                                     1560
agtetagtga agaaaetgte aageaeetea gtgtatgatt tgacaeeagg agaaaaaatg
                                                                     1620
aagatactcc atgctctctg tggaaagcta ctgaccctag tttcaactag ggattttatt
                                                                     1680
gaagattatg ttgatatatt acgacaggca aagcaggagt tccgggaatt aaaagcagaa
                                                                     1740
caacatcgaa aagagagga agaagcagct gccagaattc gtaaaaggaa ggaagaaaaa
                                                                     1800
cttaaggagc aaagctacta aagaaagaga taaacttttg aaacaagaag aaatgaagtc
                                                                     1860
actggctttt gaaaaggcta aattaaaaag agaaaaagca gatgccctag aagcgaagaa
                                                                     1920
aaaagaaaaa gaagataaag agaaaaagag ggaagaattg aaaaaaattg ttqaaqaa
                                                                     1978
```

```
<210> 6879
<211> 2474
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (210)...(1181)
<223> similar to gi4589544 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6879
agtaaacact gaccctttcc ccctttgctg ctacctaggc agatgccagc cccaaacctc
                                                                  60
atccctagtg gaggccttgc tgatgtggaa gtggccaggg ccctcatgga ggctgggcag
                                                                 120
aagcccaaga gcaggctcta aagctgccaa acccggcagc cctggtcccc ggaggctctt
                                                                 180
gccagtctga cagtgttctt ggcactgctc agaggtccca gcagctgggg ttccccctca
                                                                 240
gecegtgage agecatgtee aacceeageg ecceaceace atatgaagae egcaaceee
                                                                 300
tgtacccagg ccctccgccc cctgggggct atgggcagcc atctgtcctg ccaggagggt
                                                                 360
atcctgccta ccctggctac ccgcagcctg gctacggtca ccctgctggc tacccacagc
                                                                 420
ccatgccccc cacccccg atgcccatga actacggccc aggccatggc tatgatggg
                                                                 480
aggagagagc ggtgagtgat agcttcgggc ctggagagtg ggatgaccgg aaagtgcgac
                                                                 540
acacttttat ccgaaaggtt tactccatca tctccgtgca gctgctcatc actgtggcca
                                                                 600
tcattgctat cttcaccttt gtggaacctg tcagcgcctt tgtgaggaga aatgtggctg
                                                                 660
totactacgt gtoctatgct gtottcgttg toacctacct gatccttgcc tgctgccagg
                                                                 720
gacccagacg ccgtttccca tggaacatca ttctgctgac cctttttact tttgccatgg
                                                                 780
840
```

```
tcatcactgc ggtggtatcc atttcagtca ccatcttctg ctttcagacc aaggtggact
                                                                     900
teacetegtg cacaggeete ttetgtgtee tgggaattgt geteetggtg actgggattq
                                                                     960
tcactagcat tgtgctctac ttccaatacg tttactqgct ccacatgctc tatqctqctc
                                                                    1020
tgggggccat ttgtttcacc ctgttcctgg cttacgacac acagctggtc ctggggaacc
                                                                    1080
ggaagcacac catcaqcccc gaggactaca tcactqqcqc cctqcaqatt tacacaqaca
                                                                    1140
tcatctacat cttcaccttt gtgctgcagc tgatggggga tcgcaattaa ggagcaagcc
                                                                    1200
cccattttca cccgatcctg ggctctccct tccaagctag agggctgggc cctatqactq
                                                                    1260
tggtctgggc tttaggcccc tttccttccc cttgagtaac atgcccagtt tcctttctgt
                                                                    1320
cctggagaca ggtggcctct ctggctatgg atgtgtgggt acttggtggg gacggaggag
                                                                    1380
ctagggacta actgttgctc ttggtgggct tggcagggac taggctgaag atgtgtcttc
                                                                    1440
teccegecae etactgtatg acaccaeatt ettectaaea getggggttg tgaggaatat
                                                                    1500
gaaaagagcc tattcgatag ctagaaggga atatgaaagg tagaagtgac ttcaagqtca
                                                                    1560
cgaggttccc ctcccacctc tgtcacaggc ttcttgacta cgtagttgga gctatttctt
                                                                    1620
cccccagcaa agccagagag ctttgtcccc ggcctcctgg acacataggc cattatcctg
                                                                    1680
tattcctttg gcttggcatc ttttagctca ggaaggtaga agagatctgt gcccatggqt
                                                                    1740
ctccttgctt caatcccttc ttgtttcagt gacatatgta ttgtttatct gggttaggga
                                                                    1800
tgggggacag ataatagaac gagcaaagta acctatacag gccagcatgg aacagcatct
                                                                    1860
cccctgggct tgctcctggc ttgtgacgct ataagacaga gcagqccaca tqtqqccatc
                                                                    1920
tgctccccat tcttgaaagc tgctggggcc tccttgcagg cttctggatc tctqqtcaga
                                                                    1980
gtgaactett getteetgta tteaggeage teagageaga aagtaagggg cagagteata
                                                                    2040
cgtgtggcca ggaagtagcc agggtgaaga gagactcggt gcgggcaggg agaatgcctg
                                                                    2100
ggggtccctc acctggctag ggagataccg aagcctactg tggtactgaa gacttctggg
                                                                    2160
ttettteett etgetaacce agggagggte etaagaggaa ggtgaettet etetgtttgt
                                                                    2220
cttaagttgc actgggggat ttctgacttg aggcccatct ctccagccag ccactgcctt
                                                                    2280
ctttgtaata ttaagtgcct tgagctggaa tggggaaggg ggacaagggt cagtctgtcg
                                                                    2340
ggtgggggca gaaatcaaat cagcccaagg atatagttag gattaattac ttaatagaga
                                                                    2400
aatcctaact atatcacaca aagggataca actataaatg taataaaatt tatgtctaga
                                                                    2460
agttaaaaaa aaaa
                                                                    2474
```

```
<210> 6880
<211> 1528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1529)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (238)...(539)
<223> similar to gi1945332 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6880

cggacgatcc acgcgaccgg ccgcggggc gcgagtccca tgcatcggct aatagtttgg 60
agactagctg aagcaaataa gcaacatgta agatgtcaga aatgcttgga atttggacat 120
tggacttatg aatgcacagg aaaaagaaaa tacctacata ggccctcaag gacagcagaa 180
ctaaaagaaag ctttaaaaga aaaagaaaac agattattat tgcaacaaag cattggagaa 240
```

```
300
accaatgtag aaagaaaggc caagaaaaaa aggtctaaga gtgtaaccag ttccagtagc
agtagcagtg acagttctgc cagtgattct tcatcagaga gtgaagaaac atctacctct
                                                                      360
tectecteag aggacagtga caetgatgaa ageteeteta gtteeteate eteageetee
                                                                      420
tecacaacet ettecteete etetgattea gaeteagatt ecagetette cagtaageag
                                                                      480
tagcaccage acagatagea getetgacga tgaaccacca aagaagaaga aaaagaaata
                                                                      540
gagttgctcc attcatattg gaccgatgga ctgaaaacat tgatgtgatt cttgaaaqqq
                                                                      600
aatttagaat atgttaaggc caagtaggtt aactggtgaa catttctaga attcaaaagt
                                                                      660
ttctaaatgt tttacattgt aagagcatag agaatattta ataatggctt atagagagag
                                                                      720
acttttattt gaagggtgaa tettgttttt tttatettta aaatatatet etagaaetta
                                                                      780
aagctgaaaa tatgcgtatc tgtttgtgtg atgaaactat cttttctctc tgtgaaataa
                                                                      840
atgccatact ttgttatata tgttagtggt atgtatcaga catattttca ggatggtgcg
                                                                      900
tcaggatatc tggcagtgga tttctaatgc ttttggctgt atgttatgta agatttaata
                                                                      960
tgttgttact gtaagcttag gagttttcct actattaata aatgtgctct atttttacat
                                                                     1020
ttatgttcag aaagttatct gactttttgt cctaagtggt atgttcaagg agcctattaa
                                                                     1080
tatatttata gtttttgaat gctgtaagtt tcaaattgct gtgttacgtc attcattttc
                                                                     1140
ttctggttcc ttaagttttt caagttatcc ttttctgagg aaaattattc tagaggaacc
                                                                     1200
taaaaaggga caaaaaaatt gaaacttett aggagtetaa tettggtqee ttetqttaaa
                                                                     1260
agtcagtgta tcagaaaaga aagcagccat gtaagaggct aacttaagta gaagtgctag
                                                                     1320
aaatatettt gtgtattaac atgcaataaa aggtaccatt caaagcaggg ggaaaggtag
                                                                     1380
ggaaggaagg aggtaatttt tactggaaaa ttaggggcan tgttgggtcg ccttttattt
                                                                     1440
aaaagctttt ttttaaggct ttcataaagg attgcntttt gcccattttt tggaaanatg
                                                                     1500
ggntttatag gtttgtangg ggnacccg
                                                                     1528
```

```
<210> 6881
<211> 805
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (778)...(477)
<223> similar to gi5104315 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6881
ttttttttt ttaaaaacaa caacaaacca ctttaatgga cacataaaat ccctgggggt
                                                                  60
ctcattgcaa tgcagatttg gattaaacag tctgggtggg tcctgagacc ctgatccct
                                                                 120
tgcttttcac ctatggccac attttgagaa gcaaggccac tcaaagggcc cccatctgtg
                                                                 180
tgaatcaacc cctgctccat ctgcccctat aaatgacagg agtgggggtg tccccaggtc
                                                                 240
tgagcctgga gggggttgca ggcttcctcc aggcatggaa gtggagtgag aggaggctgt
                                                                 300
agttaaacgg gttactctgt cagcagacac agaggagacc agaatagctt ttatttcaca
                                                                 360
tgaagctaag gaaggaagtc gagaggacag ggctggttct gtgggcgctg ccctggcagg
                                                                 420
tgcaccacct ccaactgctg ggctccagct ccagggctca gaagccatct ccgagaaggt
                                                                 480
cgggagcggg gctgaagggt cccgggggca ggttccaggc cagctcctcc agcaggccca
                                                                 540
gcaggccttt cacctctgtc cccaggtgat ccacggtctt ctctaccatc tcctccatga
                                                                 600
catctagacg gcgttgcaca gccatgtgtc tgtcacacgc tgtgctctga gctgagtctc
                                                                 660
720
gtccggtcag cgcgcagagc aggggccgca tggtgccggc ctggccgagc gcagcgccgc
                                                                 780
gtctgcccgc agccgccctt cccgg
                                                                 805
```

```
<210> 6882
     <211> 1134
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (11)...(458)
     <223> similar to gi3152662 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6882
gctgaggccc agcatggccg gcccgggccc caccttcccg ctgcaccggc tcgtctgggc
                                                                       60
gaaccggcat cgcgaactgg aggccgcact gcacagccac cagcacgaca ttgaacagga
                                                                      120
ggacccccgc gggcggaccc cactggagct ggccgtgtct ctggggaaacc tggagtctgt
                                                                      180
gagagtgctc cttcgacaca atgccaacgt gggcaaagag aaccgccagg gctgggcagt
                                                                      240
cctgcaggag gcagtcagca ctggagaccc cgagatggtg cagctggtgc tccaqtatcq
                                                                      300
ggactaccag agggccacgc agaggctggc gggcattccg gaactgctca acaaacttcg
                                                                      360
ccagcccagg gtcacgtagg aaagagagac ggccaggctc acgtgggaga gactggacc
                                                                      420
tttggaagag aagcettgee agetttggge eteetgaaga atgeagatta eetggageag
                                                                      480
ggacttcagg ttgactcggt ggattatggc ctgaaaccct ggaatacttg ctactacgca
                                                                      540
cccttctgga agcacacgga ggggcctggc tggcagagca tactatctca taccccctac
                                                                      600
cccaggagca ggctcggagg gagccactgt gcccccttta cagagtagga ctctgagacc
                                                                      660
cagtggaaac aaaggctccc ccagggctct gcacaggctc atggccaggt tgaggctggc
                                                                      720
cctccacctc caggtgctta cagcctcatt gtctgaagac cactgtagtg ccccacttgg
                                                                      780
cccaccctct ccagggcaga gtggttgggc gtagctgagc catagcagtg cgtcaagact
                                                                      840
tgatgaaggg ccaggcgttg tggcttactc ctgtaatccc agcgctttct gaggccaaag
                                                                      900
tgggcggatc acttgagccc aggaggtgga gaccagcctg ggcaacatgg tgaaagccgt
                                                                      960
ctctacaaaa agtacaaaaa ttagctggga gtggtggcac acacctgtgg tcccaqctac
                                                                     1020
tcgggaggct gaggtggaag aatcacctga gcccagggag gcagaggttg cagtgagccg
                                                                     1080
agattgcacc actacactcc agcctgggtg acagagcaag tctcaaaaaa aaaa
                                                                     1134
    <210> 6883
    <211> 1828
    <212> DNA
    <213> Homo sapiens
```

<223> similar to gi3002527 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<220>

<221> misc_feature <222> (1406)...(1647)

```
<400> 6883
cagctattaa aatttagaaa ctactatagt taaaattttg caattattag caaaagaaca
                                                                       60
aatagataaa attagagaac ccagaaacag gctaggtgtg gtggcttaca cctgtaatcc
                                                                      120
caagtagctg ggactacggg cgcataccac cacacctgqc taattttttt attttaqta
                                                                      180
gagatgaggt tttgccattt tggccagggt ggtcttgaat tcctgacctc tggtgatcca
                                                                      240
cctgctttgg cctcccaaag tgctgggatt ataggtgtga gctaccacac ccagccttgt
                                                                      300
gacagtgatt cttatctcat agtgcaaaag atggcatttg gatgggagat aatagttcag
                                                                      360
aaaagttcca ttctacagca actcacaatt tgaggaccat agttctaaga aatatccaca
                                                                      420
aagtcagttg aactatgatt tttagctact tggcatataa agttttgctg gtaagtaatg
                                                                      480
acttaaatcc ataacttttc aaaaacataa gccttacttc aaaagcatta tttgtacatt
                                                                      540
gtagaaaatt agaaaataca gataatcatc tgcggtaact ttcccaaaaa agagaaaata
                                                                      600
cagataaaat attaaatgaa aatattotta coacctacag gogaccaatt ttaatatoto
                                                                      660
cataagtett ecceagetet atettttgae ttaaatagga teatatttaa etattgtett
                                                                      720
gtaacttgcc attttcattt aataacctcc atccttccgt gtcaaaataa tttttcacct
                                                                      780
cttctcttac ttagtctata ttcagatgta aattgttcat ctcttatatt tcccataagt
                                                                      840
gaaagttagt cctagacttg aagcctttat tagctgtaag ttcagcaaaa tgcctttcag
                                                                      900
agccagtttg tcaaagccag catccagtct ggagaatgca cctggcatat ggttgtgtcc
                                                                      960
tttaattccc tttcaatcta gtggagttct ttttttcatg atactgactg aagagattgc
                                                                     1020
acagttttgg ttttaagtac agagacgtag tacatttctt aataataaat gtttaacttt
                                                                     1080
tgtgtgtttt aacctaattt gttttttat ttttaaattt atattttatt tcagcaaaac
                                                                     1140
aagctatcga tcagggaaga tctccagtta taatagataa cactaatata caagcttggg
                                                                     1200
aaatgaagcc atatgtggaa gtggtaaata tgaaacatga gaaagttttt atttttatt
                                                                     1260
cttgtcaatt ttttcacatt ctaaaatttt ggctggttgg atcttgatta ttaaaacatt
                                                                     1320
tgtcctttgt tttctaaaga ggtttgttgg tttgcttagt ttttaaaaaa attgtgaatg
                                                                     1380
atgtttttta aggaacatgt tcatcttgtt aatttttgtt tgtttttttg agacggagtc
                                                                     1440
tegetetgte acceaggetg gagtgeagtg geaceatett ggeteactge aageteegee
                                                                     1500
tececagttg aagegattet eetgeeteag eeacetgagt agetgagatt ataggtgeet
                                                                     1560
gcccccatgc ccagctaatt tttgtatttt tagtagagac agggtttcac catqttqqcc
                                                                     1620
aggctggtct cgaactcctg agctcagccc atctgccgtg ctcagcctcc caaagtgctg
                                                                     1680
ggattacagg catgagccac cacgcccagc ctcatattgt tttgactttc cttaaggata
                                                                     1740
gtaatcttaa ggaattacta ttccttgaga atagtaatca aaatttatcc ggttaaatag
                                                                     1800
tcttaactgt tataaaccat attatttt
                                                                     1828
```

```
<210> 6884
<211> 1097
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (319)...(47)
<223> similar to gi522145 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6884

cgtggaattc agcactttgg gaggctgtgg caggcggatc acttaaggcc aggctggtct 60

caaactcttg acctcggata atctgcctgc ctcgacctcc caaaatgctg ggattacagg 120

cgtgagccac cacgcctggc cttttaagtt tctctgtaaa ttaatagtga gacatgaatc 180

atttattgca ggtagcctta ggttaggtgc tgtggaggat agggcataaa tagagatggc 240

tcctgccctt tacgaagcat cagtctgttg gggcacatga ggcatgtact tgaataactc 300
```

```
tagtacaagg tagaatattg ttagtggctt aaggaaaatt tggacaaact atgggagatg
                                                                      360
agacaaagga ggaaaagtaa tootgcataa otgtaggcat tagaaacaga gactcccctt
                                                                      420
gctttatctc taaattagaa tcacaaatgc gtaatctttt cagggtaaaa atgtgtcatc
                                                                      480
tttaaagtct gtttcagata tattttaaat tactatttta aatgaattca tatggaaaag
                                                                      540
tegtgggage ttaaggeett gtttaaaagg gaaaaaacaa etgagtettt ttagattaat
                                                                      600
caaaaactat cctcttcctt tggagaggag agagtgtttg tcacacgcgg aatgaagtgc
                                                                      660
catgttcttt gaggcacgat ttgtatgcca tggggaggag ggagtccgtt caagagaatg
                                                                      720
gattccctga caagctacgt ttgccagaat attccaagac atgttttaga agctacctat
                                                                      780
ggcattaaca tcataacgcc tagagaggat gaagatcccc accgacctcc aacatcggaa
                                                                      840
gaactgttga cagcttatgg atgtaagttg tgattcatca gaaaatgtga acaaaagtaa
                                                                      900
cagtatacct aatgaataga aataagaata gtaatagtac tagaattgct gttctgcaaa
                                                                      960
gatacacatt tataatattt cttcagcatt tttcaagcca tctttcgtct ctgtgggcct
                                                                     1020
tgcctacaaa gtaacctaaa gtgcaaaaag cttttaggac gtttgctgct ttgatggtac
                                                                     1080
ccacgtgcag cacaggg
                                                                     1097
```

```
<210> 6885
<211> 1529
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1530)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1258)...(771)
<223> similar to gi2443886 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6885
geggeegeca cetetececa geceaggaga eggetgegga geegeageeg eecagacege
                                                                       60
gcagcgcggg aggcaggttc cgcacgaaat aaatcagaat gagttatgca gaaaaacccg
                                                                      120
atgaaatcac gagaagatga gtggatggaa aagctcaata acttgcatgt ccagagagca
                                                                      180
gacatgaacc gcctcatcat gaactacctg gtcacagagg gctttaagga agcagcggag
                                                                      240
aagtttcgaa tggaatctgg aatcgaacct agtgtggatc tggaaacact tgatgaacga
                                                                      300
atcaagatcc gggagatgat actgaaaggt cagattcagg aggccatcgc cttgatcaac
                                                                      360
agcetecace cagagetett ggacacaaac eggtatettt aettecattt geageaacag
                                                                      420
catttgatcg agctgatccg ccagcgggag acagaggcgg cgctggagtt tgcacagact
                                                                      480
cagctggcgg agcagggcga ggagagccga gagtgcctca cagagatgga gcgtaccctg
                                                                      540
geactgetgg cetttgacag tecegaggag tegeeetteg gagaeeteet ceacaceatg
                                                                      600
cagaggcaga aggtgtggag tgaagttaac caagctgtgc tagattatga aaatcgcgag
                                                                      660
tcaacaccca aactggcaaa attactgaaa ctactacttt gggctcagaa cgagctggac
                                                                      720
cagaagaaag taaaatatcc caaaatgaca gacctcagca agggtgtgat tgaggagccc
                                                                      780
aagtagegee tgegettgeg tggtggatee aacaccagee etgegtegtg ggaettgeet
                                                                      840
cagatcagec tgegactgea agattettae tgeagtagag aactetttt etecettgta
                                                                      900
cttttttttg acctggcatc tttttatagg gaaaaatggc ctttgtaggc agtggaaaac
                                                                      960
ttgcaaggaa agctgccgtc tctttggcag tctgatgcag agcctgcact ctggcactcg
                                                                     1020
ctgaagaatc tggaaggttg cggtttgctc ttccagtgtt cgggggcctc tggctgctga
                                                                     1080
```

```
aggatteggt etaceaegga gggetgtget gttaggetge ateceaetea aaataeagga
                                                            1140
                                                            1200
aaagcacgaa tcatgattct gctttctgtt agcttaggca gacattgggc cttcacctac
1260
tatataaatt tgtaaatcct aattcaaaga tggccncgtg tgtgagggcc attgagtttt
                                                            1320
gatttgtttt ccctttggtc tgggttagct gtggcttttg ggggatgcgt gtgagggggc
                                                            1380
tatgtgtttt ttaatttttt aaatatatat tttggtgctg tgtgtgggta aggagacttg
                                                            1440
                                                            1500
tteetagtgg ateaatgaac catetettet gggeagtttt gttgaaaata aaggtttete
                                                            1529
tttgatttca agaatgacca aaaaaaaaa
```

```
<210> 6886
<211> 2183
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (798)...(1466)
<223> similar to gi5420389 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6886 ttttttttt ttgggatgca gcactttctt tattgcccat ccagggaaca gccaagccag 60 ctccatctgc attctggctg cagcgtgtac attaggggac tcaggggcca cagtgtggga 120 ccgtgcacac tggcaaggca ctggcggatg ctggcaggcc agtggacatg gatagatgag 180 aatgacaact cacagatgtc ctagettetg etggeccage tgecagecac tggecateac 240 cettttgccc agcatgtgtg cattgtcacc caaaacatct tgaaacttcc cattagtgag 300 gcattcaaca aagaagtaag ctaagtgagt aggaaacagt gtttcctgga atataccgca 360 ctctgcctga aataggaaaa ctatgtttgc cgggaagcag cagcagcagq aaaqaaqtta 420 taccaaaaac gacttgtaca ccacagacat tataacccgt ttcctcaaag aaacagtcat 480 gttctgttgg gtattatgga caggtctctg gaaatttatc taataaagac caacaaactt 540 cccccagcag tgcctctgag taccgtgtga attctggtgt cttgtggaag tcagggtgcc 600 ttctttgcat ccaaagcttt gagggagctg ggaagctttg gttccatttt aggagggctg 660 tgtgatggtg acaaaggtgt tctggtcatt tctgctctgt tctccgttct gtgaagtgag 720 gtggatgtaa tgtgctgtgg gatggggtgc tccatatgtg tgtgtagcct ttactttcca 780 acttagtttt ttgcatctct cttgtaccga tgagccatac ctctcagcct tcatttqqtc 840 ccaggcctga ccctttgctt tcatcgtcag cttttctgtc ctgctcggqc aggattaact 900 ctgttcttgc cgcggatgtc accatcactc tggagtccag cccagtgccc acaggcccga 960 teagtteace etetteette tetteagggg agaaaettte tegggeatea aaaaaegtga 1020 ttgtttcttc ttgaagtttt tgttcttcca gctctgcccc atcttcggtg cttttgcttt 1080 tcttggtagg agatgaggag aaccctaatt tgggaaatcg gaaccagcct gccttctcct 1140 gttttttagg cagttctgcc tctggtcgtg cctcaggctg tgtttgaatg ggagcagatc 1200 tctggacgtc atttttggaa tcaacacctg tctcatcaac agaagaggaa aacccaatgt 1260 ttggaagcca aaaccagagc agaccagatt ttttactttc tggtttgtct tttggagccc 1320 tgccttcatc tgccagtggt gtggttgcct cttggctatc atcaggggga aactcaagaa 1380 tttctgctgg ctcctcatct gaacagctgt ctgcaagctg gtggccagaa ggaacttcaa 1440 atgtgagtgt ttgctgtccc agtacattga cgctggaaga gatcatctca aatgqttctc 1500 cagtgtcagg ctggagatct ccagaaatgg agtctactcc tggggtggct tgtatgggag 1560 cctcttctgt gccctcctga gtcctagagt gttgagtcat tgttgtgtac actctagcct 1620 gcgtgtgggg ctctgggatt ttcactttta ataaggaaaa tccgtacgaa ggtgtttgaa 1680 tetetgaegt ggggatetet gatteeegea caatetgagt ggaaaaagte etgggtaetg 1740

```
agagatetae aaactetggt gteactatge tgtgtatagt gacetettga ettteaacet
                                                                     1800
gagcaccctg aatatgcact ctgacctttg aaattggggg agcttccaaa ggcaggttaa
                                                                     1860
ggtccacagg ctgctcccca gggaccccag cacctgcctt caggatgctg gctccccaga
                                                                     1920
gccccggact ttccttacaa agggctgtat caatattggc ctctggacac tgcacttccc
                                                                     1980
tcacagtggg gatgaacaca tcatcctctg agctgggggc agcgaaggag aaccttggta
                                                                     2040
ccattaattt ggggaatttg acagttagga cagaatcttc ccacagttga tccacattaa
                                                                     2100
ccacagaaat ctgggatggc atatcagtac ttgaagcttt caatttaagt ggaccttcag
                                                                     2160
gctgggaaga ccatttctct gcc
                                                                     2183
```

```
<210> 6887
<211> 2301
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (126)...(957)
<223> similar to gil81987 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6887 tttcgtgaat atgtggtagg gaccaaggcg agtttgagga atcagagctt gatgctactg 60 tacagaactg gacaggttgg gccggcagtg gtggggccaa agggctctgt gctctaggag 120 ctaagccagc agcccccgag aggggacttg gctgggcctt tcctatgggc aaggcccagt 180 getetteetg eccaecaggg accatggage agtggeacee tatggggeta tgateectag 240 gcctgggcct gggcctgcct gtggcccaga gctaccctgg gagtgtcagt gctagcagca 300 cagctacctc tggtggcagg agaagaggg cccagcacag cagcaggcca ggccttcctg 360 tecaggtetg catggageac teggtgaece agageaggga etggaggeac ecceageeet 420 gccccaggcc acagcaggac aggccgggac aggcctcacc caaggccaag gctggcatca 480 gccaatcatt cagagctgag gccctgggcc tagcctgccc ttctcagggg ccaataccac 540 cccagccctg cccttggcct cactttttcc cagcaataag tggggttcac cacccgcctc 600 gggaatactt tccccttcta aatgggactt gctgttacct caggaggctc cttagtgcaa 660 atatgaccct ggtcagggct ttgccaccgt tgaagccctg cagaaggtgc aatgtagggg 720 ttctggggcc acagaggaga ggccacttcc caccaggacc cccaacatga agtctaggcc 780 teaggggete eegeeettet teeteeagea gegggaaetg eeactgetet eecaggeeet 840 gttctggagg ctaaccttgg ttcctggaga gtgtgcccct ccaccctccc tccagcagcc 900 ctgatcacac catgagagcc aggaacgggt caccetgetg aagatcactc tgtgccetgg 960 gggaggagcc aagccctcac cccacaaggg gcaggtgggg gcttggttgc tgacccggcc 1020 caagtcccca cagagcacct tetgtagete cagettgtet ceetggette tetttgaagg 1080 agaaaaatgt aaaatatgca ctgagaaagc cagccccgcc tgcttagtca gccccggcag 1140 cagggcagcc atgggaactc aggaaaagca ggaacccttt ccaaaagccc agagatgccc 1200 tgggctcaga tctgtaattc tcccaggagc tgtgatagag caggccacac aaagtcccta 1260 egecteeetg etgeeteee cagatgeatg tgatggeate accatteece aaattgaata 1320 tcagcatgcg gcctgaccag ggactcttta gatgcatgaa tttatttata tgaaggctct 1380 cacagagaca cacacagcac ttcagtagca tttgcattcc tggttaaaga atcaccaata 1440 tttaaaataa aaactttcct gaaattggga ctgtcatgtt atccagaagg gctggtacat 1500 ccgcccacca tgtccccctg ctgggtcagg agccaacaca ggaccctgcg tgtgagcgtg 1560 cctgacatct cacgcacggc cactccagag ccggtccctg tccttggaaa gctgtgaagc 1620 cttgcgttga gttccttctc gatactgacg gctccgtgct gacattctga gctctggaqt 1680 cacaccageg caggggegtg gaggaactga ggtttggaag gaatgccagg tetegcacag 1740

```
cttggcctcg agaaggtgag aggaaggcaa aggccaggga ggggacccag agaggcctgg
                                                                    1800
cacacaagge ccaageacca cegteaacae ageceagtee atacagaaat gggttteatg
                                                                    1860
cctgaaaagc tttttacaga aagatgccgc ctgtagccag tgacagccgc aaccctacag
                                                                    1920
geeteagtte ettgeagagg tgaggggtag agagteagee teeeteeett eeageagega
                                                                    1980
cccagcttcc ctccacttcc aggtggtgct gggctcaccg agggagcact ggtgggtgct
                                                                    2040
ctgaaaaccc acaggatece acetecagge ceaectgggt eceateteae tetettette
                                                                    2100
tttcaccaat tgctaacata gaccttgttg ggatcacgat ggcttcacaa gccagctgtt
                                                                    2160
qqqtttqcta tqtcactqtq qctcaqtcac atccctqcqt qtatactqtc tqcqqqqcac
                                                                    2220
atatgtatcc atttagagct aaaggaatca gtgtacacta cagctaatcc taataaatcc
                                                                    2280
gatgttttcg gaaaaaaaa a
                                                                    2301
```

```
<210> 6888
<211> 1130
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)...(556)
<223> similar to gi807646 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6888 60 ggggccgcgg cggaaggcca ggagtttgca gccagggcgc cgggtttgtg gtctgcagtg 120 tegtgagget gaggtgeage atgtetagae tgggageeet gggtggtgee egtgeeggge 180 tgggactgtt gctgggtacc gccgccggcc ttggattcct gtgcctcctt tacaqccaqc 240 gatggaaacg gacccagcgt catggccgca gccagagcct gcccaactcc ctggactata 300 cgcagacttc agatcccgga cgccacgtga tgctcctgcg ggctgtccca ggtggggctg 360 gagatgeete agtgetgeee ageetteeae gggaaggaea ggagaaggtg etggaeegee 420 tggactttgt gctgaccagc cttgtggcgc tgcggcggga ggtggaggag ctgagaagca 480 gcctgcgagg gcttgcgggg gagattgttg gggaggtccg atgccacatg gaagagaacc 540 agagagtggc tcggcggcga aggtttccgt ttgtccggga gaggagtgac tccactggct 600 ccagctctgt ctacttcacg gcctcctcgg gagccacgtt cacagatgct gagagtgaag 660 gggggtgagt tgtctctctt ggaggcagtt atggctacag ccaggttgtg ttttgtaaaa 720 gtattatcaa tggaaaattc aaaccaagct gctgcaaatg atttttqqaa caqqtaaqaq 780 tataataaat acagaagagt tgaaacaaaa aacccatcca atttatgtca ttcagacaaa 840 tgtagatgtt aatagcagtt attgcttgca tctgttatct tagtttatta catagttatg 900 atatattatt tgggcatttt tctgtgttat cacaaggact tgataagcat tgtttqactt 960 tgttcctttc cttgggtggc tgagctggta tacggagatg tctaagcacg aagcatgctc 1020 ctccctggga gtcaccctct tcccacaggg gagccttgcc tgtqatcctt tqcattttta 1080 caggtgggag gtggatgtcc tgagttctca gtggcccagg agggctgacg 1130

```
<210> 6889
<211> 1396
<212> DNA
```

```
<213> Homo sapiens
     <220>
     <221> misc feature
     <222> (1318) ... (1348)
     <223> similar to gi5354051 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6889
caaaaatatt acgttgcaag cccgcgtaaa ctttgggccc ccgaagggtt ctttaaaacg
                                                                       60
ggcgcccctt ttttttttt ttgtattcta atgctattta ttatcacaat aaataattca
                                                                      120
ctgcaaatga ctgcatgaaa aatgtgggtt ccagagcacc atgtataaaa tgatcccatt
                                                                      180
tatgtagaac tgtaaacata catccacaca ctgacggaca ggtacatatg catgtttggg
                                                                      240
gaggggtctg gaatgatcac ccaagtggac agggtgaggg gtggtttcct gtatttttta
                                                                      300
caataagcat ttatgacttt tacaaaatca ccaaagctat cactttttcc atttagaaaa
                                                                      360
cacaaaatta tttttaaata gagacttgac gtcatttgac acaccttggt tttctctcgg
                                                                      420
agagcacaga tgccgcagac aagaggagcg gacccgcctc ccagactcct gcctqccccq
                                                                      480
tecetecece geaggtggea etggtgagee gggaagggge tgccageece aggatgeete
                                                                      540
gcacageceg ggetggaaac ecetgeceet getteetege acagtetqte attetaqaaq
                                                                     600
geteteteca aaceaetett ecaaagaggg teatgecagg qaacagcage gaggteattt
                                                                      660
tecagteate ccacaggaag ccagtgagee ccacteccae tgeegtggae etceaggeet
                                                                      720
ggetteette tetteeetgg gttacetget caggggttte teagecagge cageatgtet
                                                                     780
atcaggegge atceageate caatcacagt gacaagaace tteeggaaca ceetgeaaac
                                                                      840
tgtggatgcc cacgggtggc cccattatgc cttgagcagg gcaacctttt ggtccaqaat
                                                                      900
ggagtettet etgatgttgt agggetgggt eeetggetee tgeeteaggt gettetetge
                                                                      960
ttcttccagg gtagagaagt actggaaccc cttcaggtca gcggacagca ggacacggag
                                                                     1020
aacggggacc tgcaggccca caaaggccag ggcgacgccc tgcttctgga agtcctggag
                                                                    1080
gagetegeeg agteceagea ceacagtgta gtegatgetg cagacatggg tgcactecag
                                                                    1140
gaccaggcag cgtggcgggg acacttccag ggcccggctt aggatctcct cccqcagagc
                                                                    1200
ctccatggca gggaaggaca ggccgctggc cggctgcagg accagaaccg gccctctqa
                                                                    1260
caccttggtc tcaggcctgg ctgcagagtg caggagcatg agcagagaca ccagggcccc
                                                                    1320
ggccaggatg ccgtactgca cctcccagaa gcacagcagg aaggtcacqc acaqqqcaq
                                                                    1380
caggtccagc ctctcc
                                                                    1396
     <210> 6890
     <211> 2659
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (219)...(320)
     <223> similar to gi4589612 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 6890
```

60

tttcgtgccg gtcagccgca gacactcacc cagctccgcg agctcagccg ctcagcgagt

```
ggggtagcgg ggaccgagac ggacggtagc cgtgccagag cccggggcgc tctcggatgc
                                                                      120
ggcaggacaa gctgaccggg tctctgaggc gcggggggag atgcctgaag cggcagggcg
                                                                      180
                                                                      240
geggegtggg caccatectg ageaatgtge teaagaageg cagetgeatt teeeggaceg
                                                                      300
egeceegget getgtgeace etggageegg gagttgatae caagttgaaa tteaetettg
                                                                      360
agccatcttt aggtcaaaat ggttttcagc agtggtacga tgctctcaag gcagttgcca
                                                                      420
ggctatccac aggaatacca aaggaatgga ggagaaaggt ttggttgacc ttggcagatc
                                                                      480
attatttgca cagtatagcc attgactggg acaaaaccat gcgcttcact ttcaatgaaa
                                                                      540
ggagtaatcc tgatgatgac tccatgggaa ttcagatagt caaggacctt caccgcacag
                                                                      600
gctgtagttc ttactgtggc caggaggctg agcaggacag ggttgtgttg aagcgggtgc
tgctggccta tgcccgatgg aacaaaactg ttgggtactg ccaaggcttt aacatcctgg
                                                                      660
ctgcactaat tctggaagtg atggaaggca atgaagggga tgccctgaaa attatgattt
                                                                      720
accttattga taaggtactt cccgaaagct atttcgtcaa taatctccgg gcattgtctg
                                                                      780
tggatatggc tgtcttcaga gaccttttaa gaatgaagct gccggaatta tctcagcacc
                                                                      840
tggatactct tcagagaact gcaaacaaag aaagtggagg tggatatgag ccccactta
                                                                      900
caaatgtctt cacgatgcag tggtttctga ctctctttgc cacatgcctc cctaatcaga
                                                                      960
ccgttttaaa gatctgggat tcagtcttct ttgaaggttc agaaatcatc ctaagggtgt
                                                                     1020
cgctggctat ctgggcaaaa ttaggagagc agatagaatg ttgtgaaaca gcagatgaat
                                                                     1080
tctacagcac catggggcgc cttacccagg agatgctaga gaatgatctt ctgcaaagcc
                                                                     1140
atgaactcat gcagactgtt tattccatgg ctccgttccc tttcccacaa ttggcagagt
                                                                     1200
tgagggaaaa atacacctac aacattacac cgttcccagc cacagttaaa cccacctcag
                                                                     1260
tttctggacg acatagtaag gccagagaca gtgatgaaga gaatgaccca gacgatgagg
                                                                     1320
atgctgtcgt taatgcagtg gggtgtcttg gaccttttag tgggttcctg gctcctgaac
                                                                     1380
tgcagaagta ccaaaaacaa attaaagagc caaatgagga qcagagtctg agatctaata
                                                                     1440
acattgcaga gctgagtcca ggagcaatca attcctgtcg aagtgaatac catgcagctt
                                                                     1500
ttaacagtat gatgatggaa cgcatgacca cagatatcaa tgcactgaag cggcagtact
                                                                     1560
ctcgaattaa aaagaagcaa cagcagcagg ttcatcaggt gtacatcagg gcagacaaag
                                                                     1620
ggccagtgac cagcattete eegteteagg taaacagtte tecagttata aaccacette
                                                                     1680
ttttaggaaa gaagatgaaa atgactaaca gagctgccaa gaatgctgtc atccacatcc
                                                                     1740
ctggtcacac aggagggaaa atatctcctg tcccctacga agaccttaag acgaagctca
                                                                     1800
acteceegtg gegaacteac atecgagtee acaaaaagaa catgecaagg accaagagte
                                                                     1860
atccgggctg tggggacacc gtagggctga tagatgagca gaacgaggcc agcaagacca
                                                                     1920
atgggctggg ggcagcagag gcattcccct ctggttgtac agcgacagct gggagagaag
                                                                     1980
gcagcagccc tgaaggcagt accaggagga cgatcgaggg gcagtctccg gagccggtgt
                                                                     2040
tcggagatgc tgatgtggat gtgtctgcag ttcaggcgaa gttgggagcc ctggaactga
                                                                     2100
accagaggga tgctgcagct gaaactgagc tcagggtgca cccaccctgc cagcggcact
                                                                     2160
gcccagagcc gccgagtgca cccgaagaaa acaaagccac cagcaaaqct ccccaaqqca
                                                                     2220
gcaactcaaa aacccccatc tttagccctt ttcccagcgt caagcccctg cggaaatctg
                                                                     2280
ctactgccag gaacttggga ttatatggcc ctacagaaag aaccccaact gtgcactttc
                                                                     2340
ctcaaatgag taggagcttc agcaaacccg geggtggaaa cagtggcccc taaaaaaccg
                                                                     2400
atgatgtete eccegaaact ttggatetgg acteceett teccagtagt ataagggttg
                                                                     2460
cagctgaatg gctctaaaag agttttattt gtccagtgaa aatgaatagg ttcagggatg
                                                                     2520
agccacagcc cataaaaaat gggaactgga agttttataa taggagttag aacagggctg
                                                                     2580
ttttcccagc tacctgctaa ctgacgaagt ggattcttgt ggcaaaataa atattgtggt
                                                                     2640
tttatagtga aaaaaaaaa
                                                                     2659
```

```
<210> 6891
<211> 1257
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (888)...(723)
```

<223> similar to gill18093 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 6891
ggccttccta accttccatc atccccagct agatgtatgc ccgggacagg gcctctgttc
                                                                      60
tccagctgaa ccataccctg gctgtggggg catctgtcct gagcttggct ggtgtatctc
                                                                     120
acaatgcaaa gacatgctgg ctggcgggac aggtgggcag gactgaccct gaggaggcct
                                                                     180
tgcctgcagg gtctttgtcc caccatttgg tggagtatca cacggttctc tgaggtccgg
                                                                     240
ggcctcagct gtttaagttt accggtatta ctgagctcgg catttggaga gggagctctg
                                                                     300
aagtgtetgg ggaggtaccg etgtgegtgg ggteaggtgt tteegtacea eageaggage
                                                                     360
agggcccgcc cgcatcccag ctgtgggcct gccggtcagg tcgggcacct actacaaacc
                                                                     420
gtagtggggt ggaggctgct ggaggtggga gtgaggagat gagggcaggg tctcaaacag
                                                                     480
tectgactea cagggeetgg aaacaagtee tatgtgggee tggggeetgg ggteeteate
                                                                     540
ctccttgttg gtctactcag gcccagccca gagctgtgtt ccctgtctca ggtcaagcag
                                                                     600
tggcagacgc aaggetttet gtgggccccc aagtggtagg agggagagta gcagagcatg
                                                                     660
ggttactgga agccgggact gctagggctg gtggccaggg agctgcaaga gtgaggctca
                                                                     720
getetggetg gttetgeeet tacceeteet geeegeetga gaactgeaca eeetgeeege
                                                                     780
tggccccagg acctgcactc ccaatcctgc tgtcttctcc ttccctgtgc cctgaacaag
                                                                     840
gacctcactg cccgccttcc cctcccacca gcccccttgg gccaggcagg gtgaggccaa
                                                                     900
attgctcttg gcccacaaat gggtgatggt cagatatgtg aatcaagctc ctttctctag
                                                                     960
ctagtgtttg atgtgcacgt gtgtgtgcac agtgcgtgtg tgcacacgca cacctgtgca
                                                                    1020
ctcgtgtgtg tttaagaaag gaaaggattt gggctgggga gcaaaagata atgtgaaact
                                                                    1080
gttggtggac tctctggtga ggggtgggca gaacttgctg ctactagagt tcttgggttc
                                                                    1140
tecatgatgt teaceetggg getggeeeae tgtgteetga atgtttatgt tattttttgt
                                                                    1200
tttatttttt aaacaaactg ctgtttttat atacctggaa tctgttgttg gcttcaa
                                                                    1257
```

```
<210> 6892
<211> 1565
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1566)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (823)...(999)
<223> similar to gi5816699 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6892
ttttgcctta ttattccacc cctttacttt gcctttgtgg acacaactcc cgtgcaggcc 60
gcgctccacg gggctcccgg cggcccaggg gagaagcttc gacaacagga cagtttttag 120
tcacgtggcc tgaccgtttg ccatttaagg attacagcaa atgattctat ttgtaatttc 180
tacccttccc attgcctccc ccccaaaaaa aactgtacat gagtttacaa acatattaac 240
```

```
atataaataa tgagaaccgt cctggtggga gcctcctccg ttgtctctgc tggagatgaa
                                                                      300
cactgagggg cgctgtaacc acacagactg cctgtgacat cgggagtctc acggcagctg
                                                                      360
teetgggeee geagetgget tittiggeae etecaggite aaccaccagt etgietetge
                                                                      420
tgtgcccagg gtagagcccg ggggctgtga gtatgtgtgg ctcccctgcc cgtcatcgct
                                                                      480
ctggctcaag ctcatgctgg aagggacgct tcctctcccg acagtgcttc ttgtgggcag
                                                                      540
gccagtcctt ctgctggcac tgggagccgc agtaccgggc cacctggcag cgcccacaga
                                                                      600
tgttgaactc ccggagctgc ttctcaatca ctgtgcaggg agggtagtgg cactcatagt
                                                                      660
aggtgcaaga gttctcctcc tcttccacta catccccgtt ggcattataa taccgggtca
                                                                      720
catttaggac aggaaactgt tettetatag ggtetgtagg cagetgetga attgcaagee
                                                                      780
aatacaaget ttgeteeete tgettgetgg aggtetette ageettggge egeeageeee
                                                                      840
acggcaccag ttgcaggttg tccaggcgat tgtccacggt cacagcgttg aggtgcacca
                                                                      900
cetggaagee eggggeeacg ecceeeggt geegeteeet agaaacagae ageaaaceet
                                                                      960
gcatctaacc cggcatcgct gcctcccacc ctcacagaca tttctggtca ggtaccaaag
                                                                     1020
tccttccagg aagaaatgtc agccatgtga tctgatcggg cccctggtcc tttggatgag
                                                                     1080
ggtacctcag gcggaaggtg ctgagagaaa cccaagcacc tgatctgtgg cccaatcagg
                                                                     1140
acagggacac agggaggacc cggcccctgg tcttcagagc acagacagcc aaagctggaa
                                                                     1200
cgcaaaacca cctaagcaga tggcctcgag acagctcccc atctgagtgg tccctaccat
                                                                     1260
gcgcaccggg gggctcggca aaacccagca aggggagcaa cctccgtccc tccagaggct
                                                                     1320
gccagtcctg ggcaagctcc cagcagaaag tccacttggt gtttgaagtg caacatacaa
                                                                     1380
atcattcgtt cctttgggtt agtggtgaag gacacaaaaa taactgcgag attcagggaa
                                                                     1440
ggcaaggcag ggcttcagcg gggcagaagg ctccagacgc cctgtgccat cggagctcac
                                                                     1500
ccaggagccc agcgnacgcg tgggtcgncc cggntntttc ggtagactat cgggcgtcag
                                                                     1560
acacc
                                                                     1565
```

```
<210> 6893
<211> 1759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (313)...(75)
<223> similar to gi1389766 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6893
ttttttttt ttgaaaaggg agtttcactc ttgttggccc aggctgggag ttgcaaaacc
                                                                       60
agaatctcgg ctcactgcaa cctccgcctc ctgggttcaa gagattctcc tgcctcagcc
                                                                      120
tececagtag etgggattae aggeteatge caccatgece agetaatttt tgtattatta
                                                                      180
ttattgtttt ttagtagaga cggggtttca ccatgttggc caggctagtc acgaactcct
                                                                      240
aacctcaggt gatccaccca cctctgcctc ccaaagtgct gggattacag gcatgagcta
                                                                      300
ccacacctgg tttggagagt cttaattaag gaaatttccc taatgttcat ttatttcta
                                                                      360
aatccagacc gtgtttcaga ataatcctta cttgagagta gccattttct tgcctgtact
                                                                      420
tgtcagaact agaggaaata gccaagacta atgaaaaaga ttactctaac ccttaaaaga
                                                                      480
cttttaaatt cactactaga gtggtcattt taaaaataca tccatgtttt aacttatttg
                                                                      540
agcettettt atgagtaaat gatteeteet tgttetgtet tteaaaceag etaaatattt
                                                                      600
gtcacaaaag tgctttttc tcactgttgc ctattttcat atatcaggtt ttaaatagtt
                                                                      660
ttaatttttt aataaaattt tctctacgtt ctatatgcaa ttgttatata tctatttgaa
                                                                      720
tagctgaagg actaaaatac ttttttaaga gataacttca ggaaaccatt atattttact
                                                                      780
atctgcatgc tgttaactgt ggtacactgt gaaatatgtt gattacaaac ccattcatta
                                                                      840
```

```
catagtataa ggaattcaca gtatattgac tatatagtgt ctaatgatct tgggcagata
                                                                      900
ctgtcaaact tacaatatct atatagatgt aggtcttttt aaatttacct agtcattctt
                                                                      960
ctatcatgta tattgatgct gaaagaggaa ctggtcagct cctctggaca acaaattctt
                                                                     1020
agtotataat attaggagac atottotgtt ttgcaaatgt otgtgaatot gagcaacotg
                                                                     1080
gcattetget tactggccag aaagetggeg ggtgacattt gtaacattte etetttgaga
                                                                     1140
etetgagtte acctagagaa gtetaageat aacagettte ttteecagea egageettta
                                                                     1200
tagetetett tageteaace actetgteea tecagecaat ggatgteeet teceetgtae
                                                                     1260
cccaatttca agcttatttt aggaagcctt gaactaccat gtatcctggc tcctagctga
                                                                     1320
gtttattaga ggtatggagc agtgcaactt aaactcaagt tgcacttaca ttttgaattt
                                                                     1380
taaaatgatg gttttatetg ttgtgtgaag tggtteaece ttgaggaeca ggageeteea
                                                                     1440
tatectgact gaaaacettt tetgagaett agagtaacag taettttggt teettgagtt
                                                                     1500
ctcctgtctc cagataccaa atgaccttga cttttctgcc ttgtgaattc gtagtccaat
                                                                     1560
cagctgaaat taaatcactt gggagggacg catagaagga gctctaggaa cacagtgcca
                                                                     1620
gtgcagaagt ttctccaggt ggcctccctt tccaacaatg tacataataa agtgtatgca
                                                                     1680
ctttcactaa tatttttggg gtgagagtct gtttcggcct gtattgaatg tctgtggatt
                                                                     1740
tccgttttca gaagtagta
                                                                     1759
```

```
<210> 6894
<211> 1499
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)...(1207)
<223> similar to gi203106 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6894 acacaagete tggcggaceg tggccatgge gggcgctgag tggaagtege tggaggaatg 60 cttggagaag cacctgccgc tccccgactt gcaggaagtg aagcgcgttc tctatggcaa 120 ggaactcagg aagcttgatc tgcccaggga agctttcgaa gctgcctcca gagaagactt 180 tgaactgcag ggatatgcct ttgaagcagc ggaggagcag ctgagacgac cccgcattgt 240 gcacgtgggg ctggttcaga acagaatccc cctccccgca aatgcccctg tggcagaaca 300 ggtctctgcc cttcatagac gcataaaggc tatcgtagag gtggctgcaa tgtgtggagt 360 caacatcatc tgtttccagg aagcatggac tatgcccttt gccttctgta cgagagagaa 420 gcttccttgg acagaatttg ctgagtcagc agaggatggg cccaccacca gattctgtca 480 gaagctggcg aagaaccatg acatggtggt ggtgtctccc atcctggaac gagacagcga 540 gcatggggat gttttgtgga atacagccgt ggtgatctcc aattccggag cagtcctggg 600 aaagaccagg aaaaaccaca tccccagagt gggtgatttc aacgagtcaa cttactacat 660 ggagggaaac ctgggccacc ccgtgttcca gacgcagttc ggaaggatcg cggtgaacat 720 ttgctacggg cggcaccacc ccctcaactg gcttatgtac agcatcaacg gggctgagat 780 catcttcaac ccctcggcca cgataggagc actcagcgag tccctgtggc ccatcgaggc 840 cagaaacgca gccattgcca atcactgctt cacctgcgcc atcaatcgag tgggcaccga 900 gcacttcccg aacgagttta cctcgggaga tggaaagaaa gctcaccagg actttggcta 960 cttttatggc tcgagctatg tggcagcccc tgacagcagc cggactcctg ggctgtcccg 1020 tagccgggat ggactgctag ttgctaagct cgacctaaac ctctgccagc aggtgaatga 1080 tgtctggaac ttcaagatga cgggcaggta tgagatgtac gcacgggagc tcgccgaagc 1140 tgtcaagtcc aactacagcc ccaccatcgt gaaagagtag ccggcttcag tgcctgcctt 1200 ggggtgagga agacacctct gccccagtgg attagcaagt gtggcaggct taacatgtcc 1260

```
aggttetece caataacatt gteeaggtgg ttttaaaatt eecaggeagg gggagagtgg 1320 catggggagt gaettettaa tgggtaaggg getgettaet tetggggtat tggaaatgtt 1380 tggggactag gtagaggtga atgtactaaa tgeeactgaa tttgtataet teagaatgtt 1440 tgttatgtaa attttacete aactaaaaaa aaaaaatgee caggtaaaaa aaaaaaaaa 1499
```

```
<210> 6895
<211> 2261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (440)...(2107)
<223> similar to gi5689435 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6895 tttcgacgag ttttctgcgc ttccttctcc ctctctccag acgtcgtggt cgttcggtcc 60 tatgtcgcgc cgggccctcc ggaggctgag gggggaacag cgcggccagg agcccctcgg 120 gcccggcgcc ttgcatttcg atctccgtga tgacgatgac gcggaagaag aagggcccaa 180 gcgggagctt ggtgtccggc gtcccggggg cgcagggaag gagggcgtcc gagtcaacaa 240 ccgcttcgag ctgataaaca ttgacgatct tgaggatgac cctgtggtga acggggagag 300 gtctggctgt gcgctcacag acgctgtggc accagggaac aaaggaaggg gtcagcgtgg 360 aaacacagag agcaagacgg atggagatga caccgagaca gtgccctcag agcagtctca 420 tgcaagtggc aaactccgga agaagaaaaa aaaacagaaa aacaagaaaa gcagcacggg 480 agaagcatcg gaaaacggac tagaagatat cgatcgcatc ctagagagga ttgaggacag 540 cactgggttg aaccgtcccg gcccagctcc cctgagctcc aggaaqcacq ttctctacqt 600 ggagcacaga cacttgaatc cagacacaga actgaaaagg tattttggtg cccgggcaat 660 cctgggggag caaaggccac ggcagagaca acgtgtgtac cccaagtgca catggctgac 720 caccectaaa agcacetgge eeegetacag caaaccaggt etgtecatge ggetgetgga 780 atcaaaaaaa ggcctctcct tctttgcgtt tgagcacagt gaggagtacc agcaggctca 840 gcacaagttc ctggtggccg tggagtctat ggagccgaac aacatcgtgg ttctgctcca 900 gacgagecet taccacgttg acteactect geageteage gatgeetgee gettteaaga 960 ggatcaggag atggctcgag acctcgtaga gagagcgctg tacagcatgg aatgtgcgtt 1020 ccacccctg ttcagtctca ccagtggggc ctgccggctg gattaccgca gacccgagaa 1080 caggagette tacetggece tetacaagea gatgagette etggagaage gaggetgece 1140 gcgcacggcg ctggagtact gcaagctcat cctgagtctc gagccggatg aggacccct 1200 ctgcatgctg ctgctcatcg accacctggc cttgcgggcc cggaactacg agtacctgat 1260 ccgcctcttc caggagtggg aggtgggtgc gagcctggct catcggaacc tgtcccagct 1320 ccctaatttt gccttctctg ttccactggc gtatttcctg ctgagccagc agacagacct 1380 ccctgagtgt gagcagagct ctgccaggca gaaggcctct ctcctgatac agcaggcgct 1440 caccatgtte cetggagtee teetgeeeet getegagtet tgeagtgtge ggeeegaege 1500 cagcgtttcc agtcaccgct tctttggacc caatgctgaa ataagccagc cccctqccct 1560 gagccagctg gtgaacctgt accttgggag gtcacacttt ctctggaaag agcccgccac 1620 catgagetgg etggaggaga acgtecacga ggttetgeaa geagtggaeg eeggggaeee 1680 agccgtggaa gcctgtgaga accggcggaa ggtgctctac cagcgtgcac ccaggaatat 1740 ccaccgccat gtgatcctct ctgagatcaa ggaagccgtc gctgccctgc ccccggacgt 1800 gaccacgcag tetgtgatgg ggtttgatec tetgcetect teggacacaa tetacteeta 1860 cgtcaggcca gagaggctaa gtcctatcag ccatggaaac accattgctc tcttcttccg 1920 gtcactgttg ccaaactata ccatggaggg ggagaggccc gaggaaggag tggctggggg 1980

```
tctgaaccgc aaccagggcc tgaacaggct gatgctggct gtgcgcgaca tgatggccaa
cttccacctc aacgacctgg aggcgccgca cgaggacgac gcttaggggg agggggagtg
                                                                     2100
ggactgageg teegeagagg tgacegaaaa geegtatgat gatgtteeeg atttetetgt
                                                                     2160
tggtcggagt cggccagttg cctgaagtag ggaagctgag tgtgtcgctc cctggtccac
                                                                     2220
tgtttctcct ataaatgtaa atgggtcacq caaaaaaaaa a
                                                                     2261
     <210> 6896
     <211> 945
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (912)...(678)
     <223> similar to gi560 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6896
tttttttttt ttcaatttcg ttaaatgaaa ttgtattttg cccacggcgg cttctgtttg
                                                                       60
atccctgggg acagagggga gcaagggagg ggagtggcag ggggaggccc aggtgtgggq
                                                                      120
ctggaggggg tactggcggc agcgggaagg cagtaggctt ggtcagggta gtagtgcgct
                                                                      180
gegeeteagg aggeaaaggt geeceageet gggeaggeee tgggaceage ceaaqetqaq
                                                                      240
cagegeegee cetgggetgg eteteagage etgggetaac gtggageeeg ecaegteget
                                                                      300
tggcactcag aggcccctgc ttcttgttgg ctcacgtagg ccacgctcaa cacgtagcct
                                                                      360
gtgccacacc cttcgaggcc cgggtaggag ggcagagggg ctggtctggg ctcttggtgg
                                                                      420
acceptagety gtgetgeety ectectecte ecceaegtgy gaeteaagee aagggteaga
                                                                      480
ggcgcttccg ctgctgggag caagggagga gagtaggggt ggagcagcct cccttctqcq
                                                                      540
tgggaacccg gcctgtgtaa gcagtagcgg gacagggtgg ccggagtgat gccttggggc
                                                                      600
ctgcggggag gagtggaaga agtggatqqq ctqqctqqct qtqqcttqca tqqcactqqc
                                                                      660
agcccagcct ggcttagaag tctggccggt ccttcttcag cttcttatag tcaqtqqaaa
                                                                      720
ctgcaaggaa cttgtattgg tcattggggc tcaggcggtt ccaqqqctcc qqqttqttct
                                                                      780
ttctgtccca gctttaccag acgtcggggc tgcgaagggc gagtcgcagc aagtaaagcg
                                                                      840
cagegetgee catgeceagg cagattaage egateategg gatgateece ggatgtettt
                                                                      900
tgatctgccg gtagaagcgg ccccaagatc tgccctgtqc cqaat
                                                                      945
     <210> 6897
     <211> 696
     <212> DNA
     <213> Homo sapiens
     <220>
    <221> misc feature
    <222> (345)...(633)
    <223> similar to gi5815180 in the genepept database release 114,
```

Run with FASTXY 3.3t00, default parameters

```
<400> 6897
ttttttttt ttaaaggttt gcatgtttat ttataattac aatttacatt actccaacag
                                                                      60
aggageeece ttgetatgtt ctaattetta gecattaagt cetacaaaaa taaaeecaaq
                                                                      120
cttttacagt aacttaatca atacagaact aaagccttta tagctattag aggggtttag
                                                                      180
ttaccaaggt gcttattttc gacaaaatgc cctgtcactc agaggacgca tgcgtatact
                                                                      240
aaagttetga cecategaet catgeaacaa atgtagaeee cacceteeet ceacceaetg
                                                                      300
ttacaacaca aacacaaaac aacgatgtac aacagagggg aaatatgctc ttggtcaact
                                                                      360
gaccttgcag aaaagactgg cttgtttcca agtggatgag aacgccagtg tgtggccaga
                                                                      420
gtccagcaat gactgaccgg cccaggtcag aggctggcag ggaccacaga agggccaagg
                                                                      480
cgctgccggg gctcatccca ggctccaacc ccaacctgga agcttgtgga caccaggctc
                                                                      540
tgtgcagcag ctccgtggct agcgtccagg gcccctggcc actactccca aatgcttcta
                                                                      600
gtccacccac ccctggccag ccccaacctt gacatcactg tggatgccat cagggtggtc
                                                                      660
tggttcactt atacaacatg atccatgggc tcgtgc
                                                                      696
```

```
<210> 6898
<211> 715
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (41)...(501)
<223> similar to gi837292 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6898
caggcccagg ccaaccgtgc actgctgcaa atgggctctt aagctggaga cggcgatgga
                                                                      60
gaccctcate aacgtgttee acgcccacte gggcaaagag ggggacaagt acaagetgag
                                                                     120
caagaaggag ctgaaagagc tgctgcagac ggagctctct ggcttcctgg atgtgaaaga
                                                                     180
gcttatgctg taggcaacag aagccctcaa gacttttgag gaggcctaga agagtcccat
                                                                     240
aattcaatgc agttcctctc gctcatcttt gcctcctgct cctcaaccac ccccttacct
                                                                     300
ctgactcagt gctgtaccct tccctataca cctccctctt cctctcctcc caccacagge
                                                                     360
ccagaaggat gtggatgctg tggacaaggt gatgaaggag ctagacgaga atggagacgg
                                                                     420
ggaggtggac ttccaggagt atgtggtgct tgtggctgct ctcacagtgg cctgtaacaa
                                                                     480
tttcttctgg gagaacagtt gagcagacag ccacattggg cagcgccctt cctctccacc
                                                                     540
ctcccagacc tgcctcttcc cccctgcttt ccacctcacc ccatttattc cttttccata
                                                                     600
aaccccaacc cttgcccacc ccaccccac ccccaccaag ggcgcaagag tagcggtcca
                                                                     660
agcctgcaac tcatctttc attaaaggct tctctctcac cagccaaaaa aaaaa
                                                                     715
```

```
<210> 6899
<211> 1041
<212> DNA
<213> Homo sapiens
```

```
<220>
     <221> misc feature
     <222> (150)...(57)
     <223> similar to gi5802907 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6899
ttttttttt ttacacacag acacagaatt tatttctgga cgcattctgc aggctggagg
                                                                       60
teceggeagg caeagggete acacettggg ttttgcaaac aceteceage cetecageeg
                                                                      120
gcccatcttg accagggagg ccgctatgcc aaagtacacg caggcggcgg cgccaatccc
                                                                      180
gtagttgtgc gtgcgtgctc ccagagtcag gcctccggcg cagccaccga ggaagtagtt
                                                                      240
cagggggtcg tcgggcttct cgcggacatg ggcgctgatg caggtggtga ggccaaacac
                                                                      300
ggccccgaca gcagctgcag tgaacgtgta ttgtccaacc ttaqccactc cttcaaqqaa
                                                                      360
ggtgcccgga ggattgagtg tgactctgta ggcagcggcg gtcaggccag cgacgctggc
                                                                      420
aatactggtg gtgctgtagg ctttgcggtg gcaatcggtg ccatcgggga tatcccagta
                                                                      480
ctgacgaaaa accttcggcg ccatageccg caatetcgat cccgcaccac ggaccccgcc
                                                                      540
agctcgggaa gcgcaagggc agcgtcttgt caatgatcca tggataatgg gtcagcaggg
                                                                      600
gatttaagaa ctgtatcttt cagttcttgc cagagagata catcaatgtg cactgatgtg
                                                                      660
agctataata tgacacacct tgcagaaccc tcaaaaccct tcaggcactc taagctgctt
                                                                      720
ttatgaagat acgggactaa aggttgtcag ttaaggatgg tattttgtaa ataatttcgg
                                                                      780
taacagaatg atttccctat ttctccatat taaattctaa tgcataagaa ttaatcctca
                                                                      840
ggtttaaaag toottagttt tgttttgatt atttocatta cattagcagc agatotgttt
                                                                      900
ttaccgatag ggtaaaacag acccaatata tgcgttggtt tatacataca ttattgtata
                                                                      960
tatacattgt ttatcgataa gcgtggttgg agtagaagca agttacataa tagcgtgctg
                                                                     1020
cgttggtcaa gactgagaac t
                                                                     1041
     <210> 6900
     <211> 1227
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (228)...(1116)
     <223> similar to gi895849 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6900
attttgaatg gatgaatggt gcatcttagt gcagtggaat acatctagat tcttgagtaa
                                                                       60
aaaggcatga gttactcagg gtcgtggttg gtggtcaaac cggcactgag ccctagatcc
                                                                      120
cacttactca cttggcagac gtactgtgtg tgccttgttc tgggcaccgg gttaggagct
                                                                      180
gggctggata caggtgctgc tagttggctc taggcagcag gttttgattg gcagtactgg
                                                                      240
agtotgtott ggaacgggot gotocaggto tgtgttcgag ggottctggc tccatgtcag
                                                                      300
tgttgtgaaa ctctccaggg gtggcctgga ggccaagcag atgtggcagt tctgcagcag
                                                                      360
aagcatctgc cacaaaagcg gaagatgact cctttcttca gtgggtcctg ctcctcatcc
                                                                      420
ctgtgactgc ctttggcttg gggacatggc aggtccagcg tcggaagtgg aagctgaacc
                                                                      480
```

```
540
tgattgcaga gttggagtcc agagttctgg ctgagcctgt ccctctgcca gccgacccaa
tggaactgaa aaatctggag tataggccag tgaaggtcag ggggtgcttt gaccattcca
                                                                      600
aggagetgta tatgatgeee eggaeeatgg tggaeeetgt eegggaggee egggagggeg
                                                                      660
geoteatete etecteaact cagagtgggg cetatgtggt cactecette cactgeaceg
                                                                      720
acctgggagt caccatcctg gtaaatagag ggtttgttcc caggaagaaa gtgaatcctg
                                                                      780
aaacccggca gaaaggccag attgagggag aagtggacct cattgggatg gtgaggctga
                                                                      840
cagaaaccag gcagcctttt gtccctgaga acaatccaga aaggaaccac tggcattatc
                                                                      900
gagacetgga agetatggee agaateaeag gegeagagee catetteatt gatgeeaaet
                                                                      960
tecagageae agteeetgga ggaeecattg gagggeaaae eagagttaet etgaggaaeg
                                                                     1020
agcatctgca gtacatcgtg acctggtatg gactctctgc agctacatcc tacctgtggt
                                                                    1080
ttaagaaatt cctacgtggg acacctggtg tgtgacagat cagctgctga agccctgtcc
                                                                     1140
ctggataatg cagtatttca agactgcctt tatgctggat catgtgctac tggtataaag
                                                                    1200
ttctggcctt ctaccttaaa aaaaaaa
                                                                     1227
```

```
<210> 6901
<211> 2044
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1361)...(1395)
<223> similar to gi5419859 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6901 ctgctattcc attctcccat ctactaccta tctgttcttc aggccatcca ctcatccatt 60 cttctgtccc aggtacctag acacttgtct tcccatccgt ttgttagttg atccactcct 120 cattcagece teccatggge etggeatgta geegageace etggagaggg eagactaaga 180 agacatggtc cgtccctgcc tgtgaggagt tcaggtctct gaggaggagg aagcaqtgaa 240 actgggcttt acacatggcc tgagaacagc ttaggcctga acataaggaa cagcttggag 300 tggaggggac acagaggaac cctcactatc atgcatgcca acccaaccac tgcctgccct 360 ttcccttctg gatttagctc gtgtctccag gctcctagtc ctgtaatcca gggacccatc 420 agcgagggat tcagggaagc agaggcagct ctccaggaag gaggaaaatc cctgcctctt 480 ccagagagac tececeattg etgtetettg tgtgtgteat geacaaggaa ggettggttg 540 tgtgccagga taaggggcac aagggcctcg ggtgtggcca gagaccccat gcttaagctt 600 ttatggtata ggtcaggctg caggggtttg agggcctcag ttgtatatca gaatcttcag 660 agcactgcga tgttcagggg tgagtcaggt ctgtagatgt gcacggggtc ttctgaaggg 720 tcagtttctg taatcacttt caggtgtgtc agggccttgt gcagtaacag tgcacacaga 780 agttagtgtt tctgtgggct aagggttgta gctctgtatc aggattctgg gagtgggtct 840 ggatttctgg tgtgtggact taagaagctg tgtcagactt gggggagggg cgttcatgta 900 taactgggtt cacataggcc aagactccca ggtgcatttt aggcagagcc tcaggtgtgt 960 tagaggtccc aggggcagag aggctatagg tgctgtcaga ggccttgggg acatttaggg 1020 cagageeteg agtgacaggt cetgggacag tgggageeaa gggeaagtge tagagttgea 1080 gtgaatttag agcaaagcct cagctaagtg acacatccca gggcagtagg ggatctatct 1140 aggttcgtgc tgggcctcag gtaagtgaca ggccttagga caatgggggc tgtggcatgc 1200 gtcaggttac ctgccttgat atgggatcgt gacaggcccc tccctatgtg caggagacaa 1260 gcagcccaag aaacaggaga aaaacccagt gttggtgtcc ccagagtttg tggatgaagc 1320 tctgtgtgcg tgcgaggagt accttagcaa cttggcccac atggacatcg acaaggacct 1380 ggaggccccg ctgtacctca cccccgaggg ctggtccctc ttcctccagc gctactacca 1440

```
agtggtccac gaaggggcag aactcaggca cctcgacact caggtccagc gctgtgagga
                                                                     1500
catcctgcag cagctgcagg ccgtggtacc ccagatagac atggaagggg atcgcaacat
                                                                     1560
ctggatcgtg aagccaggag ccaagtcccg cggacgaggc atcatgtgca tggaccacct
                                                                     1620
                                                                     1680
ggaggagatg ctgaagctgg tgaacggcaa ccccgtggtg atgaaggacg gcaagtgggt
ggtgcagaag tatattgagc ggccctcct catctttggc accaagtttg acctcagaca
                                                                     1740
                                                                     1800
gtggttcctg gtaactgact ggaacccact taccgtgtgg ttctaccgcg acagctatat
ccgcttttcc acgcagccct tctccctgaa gaacctggac aagtgagccc ctctgctcgc
                                                                     1860
ctcccacgag ctccctgcct agttqqqqaq ctqqcaaqca aacaqqcqat tacaqtqcaq
                                                                     1920
gggactcgcg cagcagcgct aggctccaca cacagactgc aggcaggcag gccctcatcc
                                                                     1980
tgccagctgt ccttgcatcc aacagatttt tttttaacag acagggggcg gtctcactct
                                                                     2040
gttc
                                                                     2044
```

```
<210> 6902
<211> 2660
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (29)...(2362)
<223> similar to gi3005085 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6902 aattcccggg tcgacggcgg cgccggccat ggaggagacg cagccgccgc cgcagcctaa 60 getgeeeetg tgegaeagee teatgatetg getgeagaea tteaataetg ceteacettg 120 tcaagatgtc aaacagctga ctagtggagt tgccatggca caagttcttc atcaaatgtg 180 agtagtggtc agactetece tgaaaagcat tgtaaaccca atacatacca aggaagaaaa 240 cttggacttg aattccaaag gttgttgcaa ctttatctta cccagtgaca tattcaggaa 300 tatggcacca aggcattctt gcagtgatgc agcttggttt aacgaatctt ggttaagccg 360 aattaaagag gatgttgggg acaactggag aataaaggcc agtaatgtaa aqaaqqtcct 420 tcaaggaatt atgagttatt atcatgagtt tttggggcag cagatttcag aagcacttat 480 ccctgattta aaccaaataa ccgaatgttc agatccagtg gagcttggga ggttgctcca 540 gcttatttta ggttgtgcga tcaactgtga aaagaagcaa gaacatattc aaaatataat 600 gacactggaa gagtctgttc aacatgtggt catgactgct attcaagagt tgatgagtaa 660 agaaatattg ageteteete caaatgatge tgttggagaa ttggageaac agettaaaag 720 agccttggaa gaacttcagg aagcactagc agaaaaagaa gagctgaggc aaagatgtga 780 agaattggat atgcaggtga ctacacttca agatgaaaag aattcactgg tttctgaaaa 840 tgagatgatg aatgaaaaac ttgaccagtt ggatggctct tttgatgatc caaacacagt 900 ggttgcaaaa aagtattttc atgcacaatt acaactagaa caattacagg aagaaaactt 960 caggettgaa getgeaaaag atgattaceg tgtteaetgt gaagaaettg aaaageaget 1020 aatcgaattc cagcatagga atgatgaatt gactagtctt gcagaagaaa caagagccct 1080 gaaagatgaa atagatgttc ttagggctac ctctgataaa gcaaataaac tggagtcaac 1140 agttgagata tatcgtcaga agctacaaga tctgaatgac cttcgcaagc aggtgaaaac 1200 tttacaggaa accaacatga tgtatatgca taatacagtc agcttagaag aagaattaaa 1260 aaaagcaaat gcagcacgta cacaattaga aacatacaaa aggcaggttc aagatcttca 1320 tgttaaactt tcctccgaat ccaagagggc agacacacta gcgtttgaaa tgaagcggct 1380 tgaagaaaaa catgaagctt tacttaagga aaaagagaga ctaattgagc agcgtgatac 1440 tttgaaagaa acaaatgaag agcttcgatg ttcacaagta caacaggacc acctaaacca 1500 aacagatgca tctgctacaa aaagttatga gaatcttgct gctgagatta tgccagtgga 1560

```
atatagggag gtgtttattc gactgcaaca tgaaaataag atgcttcgct tacagcaaga
aggetetgag aatgaaegta ttgaggaaet teaggageag etagaaeaga aacaeegtaa
                                                                 1680
aatgaatgaa ctggaaactg agcagaggct gagcaaagag cgtattagag aattgcagca
                                                                 1740
gcagattgag gacctccaga aatctttaca ggaacaaggt tccaagtctg aaggcgaaag
                                                                 1800
ttccagcaaa ttaaagcaga agttggaagc tcatatggaa aaactcacag aggtccatga
                                                                 1860
agaattacag aagaaacaag aactcattga agatcttcag ccaqatataa atcaaaatgt
                                                                 1920
acaaaagatc aatgaacttg aagctgctct tcaqaaqaaa qatqaaqata tqaaaqcaat
                                                                 1980
ggaggaaaga tataaaatgt acttggagaa agccagaaat gtaataaaaa ctttqqatcc
                                                                 2040
caagttaaat ccagcatcag ctgaaataat gctactaaga aaqcaqttqq caqaqaaaqa
                                                                 2100
gagaagaatt gagattctgg agagtgaatg caaagtagca aaattccgtg attatgaaga
                                                                 2160
aaaactcatt gtttctgcgt ggtataataa gagtctagca ttccagaaac tggggatgga
                                                                 2220
atctagactt gtgagcggcg gtggtgcctg cagtgacact ggtgcgtgca ctcctgcgcg
                                                                 2280
gtetttetta gegeageaac ggeacateac caacaccaga agaaatetet etgttaaagt
                                                                 2340
2400
aaatagaagt gtccttaaaa tattttgtac ctttcaacta actaccagat tgaaaaagag
                                                                 2460
tttatgatgc gggatatcag gtattttaaa atcaacatgc atcaaattaa ttttgccagt
                                                                 2520
tgactttaaa aacaaattat agaattagcc atctctctga gggagcacat ttgaataatt
                                                                 2580
ggagatgcag ttatacacac atttcaaaca aacatttgtc ttttgaqaqt attataattt
                                                                 2640
caaattggcc ttgtatattt
                                                                 2660
```

```
<210> 6903
<211> 1880
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (307)...(579)
<223> similar to gi2440090 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6903
agectecaet ecetgiciga aaccagaaga eiggateaag gggiteceae iggeteetee
                                                                       60
agcaagacet egtetttget tgteetgete agatgetggt eateetggge atgteeceag
                                                                      120
tgtggactet ggactgggaa gggggcagge ceetttggae etgeagttgg cetcagcaga
                                                                      180
aggeettgee ttgtgtatgt gaeteeatat eeegggagea gttgaeettt geeaaacaet
                                                                      240
ttacagttct ggaggaggag gtaacataga tgcctgggcc tgatggtggg gccataccca
                                                                      300
tgtgtcgcct ctcactctgg cagcctcaga ggccccttgc tgctggctcc catctccctc
                                                                      360
ccatttgcag accaggaagg aagagcaagc tgtacaaagg gaagcagagc ctggggtggg
                                                                      420
tgtgagcagg gtgacccctc atctgaaagg cccaaaccag ggggaagcac cagcctcagt
                                                                      480
gcagccccct cctgacccca cctagaatgg aagcctccac ctgcagcccc aggcctccct
                                                                      540
cccccggggt ctccacctca ggggagactt aagccagagg tgaacattca tgtgtaggaa
                                                                      600
gaggccgctg cagggtggca tcttagggta ggggaagtgt gctgaggtgg gccttccatg
                                                                      660
ggcatggccg ttgcctctct gccagccgct ggtgcccacc agctggctct gcagcacatt
                                                                      720
gccctgaggg gcctgccact ctcctgagga gcagcccacc tgctgcccgt gaggaggggg
                                                                      780
agaagggtta gacaagcctg gaggacaaaa cagcgggagt gtgggggtgc catggtgttg
                                                                      840
gaggggcagg cctttttgag ccaatcccac cataatgtga atatgccagt gactgctgcg
                                                                      900
ctgtgctggt ctctaggcct gaactaggtg ctggcatgtc tgggtcgtct tttgaaaagc
                                                                      960
tcacttcaag ctcaccctgc tcctacctat cataagggct tattcttgtg cactttatct
                                                                     1020
tgggaccaaa actgcctacc cacccttcc cgccctcccc ctgccagagg cctggtgccc
                                                                     1080
```

```
1140
tggcccagcc tgtggcctca gcatctcata actcatttgc tttgtctccc ggatgatttc
                                                                    1200
cgtcatgctc ccaaatgcag cttcaggtga gccaaggggt ctgctcctgt ggcggtgcag
tggcaaagga tccagatagc ctagggtgag ggtgacagag ggacagtggg ctatgccact
                                                                    1260
                                                                    1320
aggccctggt ctggctttgg aaagacctgt gaggggaaac cttcacccag cacccatgcc
ccactctgct gaggccagag gaagggaggc ctgaggggca gattggttca tgcctggggt
                                                                    1380
ggaggctaag cctggacaca gtcagggcgg ggctggccag ctgtgcgaga acacaagcca
                                                                    1440
cgcctgcgat ggtgctgcac ccctggtgtc cctgcctggc cctcctctgg tcacttcaaa
                                                                    1500
catgocctca ggcttgggga tgcccttctt ccattcccag acagcagtgt gagggtgcag
                                                                    1560
ggaccaagat gtcaagctgg ccgtggagtc gagctggccg acggacccct ttcacctggt
                                                                    1620
tatgageega ettetttggt gttetggeet etggeetggg aaaagggeag gageetagag
                                                                    1680
gaggaaaaag gctggtggac agacccaggg tggtcttcaa gcctggccca gtgagagtga
                                                                    1740
ggcccccgca cgcaagcetc agccactccc aggggccttt gcagcgtctt tttaacctca
                                                                    1800
gaaaatttct caatctatgt gatttgtgta atactaatga gctttgggca ataaatacgg
                                                                    1860
gatttaaagc aaaaaaaaaa
                                                                    1880
```

```
<210> 6904
<211> 2317
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2318)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (111)...(1147)
<223> similar to gi3876392 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6904 tttcgtgcgg cgagtgaggc cccggtcttc ctcctcgtcc tgccgcaggg ccagaacccc 60 tgacggtatt cagctgcgcg taagtctggc cggtgccatc tgtctccgca atgcccccca 120 agaaacaggc tcaggccggg ggcagcaaaa aggcggagca aaaaaagaag gagaagatta 180 tcgaagacaa aactttcggt ttgaagaata agaaaggagc aaagcaacag aagtttatca 240 aggetgteae acateaagtt aaatttggte aacaaaatee aegteaggta geacagagtg 300 aagctgaaaa gaaattgaag aaggatgaca agaagaaaga attgcaggag ctaaatgagc 360 tgttcaaacc tgtagttgct gctcaaaaaa taagtaaagg tgcagatccc aagtctgtag 420 tatgtgcatt cttcaagcaa ggacagtgta ctaaaggaga taagtgtaag ttctcccatg 480 acttgactct ggagagaaaa tgtgaaaagc gaagtgttta cattgatgca agagatgaag 540 aacttgaaaa agatactatg gataattggg atgagaaaaa gctggaagaa gtagtgaaca 600 agaagcacgg tgaggcggaa aagaaaaaac caaaaactca aatagtgtgc aagcatttcc 660 tggaagctat tgaaaacaac aagtatggct ggttttgggt atgccctgga gggggtgata 720 tttgcatgta tcgtcatgca cttcctcctg gatttgtgtt gaaaaaaaaa aaaaagaaaa 780 aaaaaaaaga agatgaaatt tcattataag atctaattga gagagagcgt tctgccctag 840 gtccaaatgt taccaaaatc actctagaat cttttcttgc ctggaagaaa aggaaaagac 900 aagaaaagat tgataaactt gaacaagata tggaaagaag gaaagctgac ttcaaagcag 960 ggaaagcact agtgatcagt ggtcgtgaag tgtttgaatt tcgtcctgaa ctggtcaatg 1020 atgatgatga ggaagcagat gatacccgct acacccaggg aacaggtggt gatgaggttg 1080

```
atgattcagt gagtgtaaat gacatagatt taagcctgta catcccaaga gatgtagatg
                                                                    1140
aaacaggtat tactgtagcc agtcttgaaa gattcagcac atatacttca gataaagatg
                                                                    1200
aaaacaaatt aagtgaagct tetggaggta gggetgaaaa tggtgaaaga agtgaettgg
                                                                    1260
aagaggacaa cgagagggag ggaacggaaa atggagccat tgatgctqtt cctqttgatg
                                                                    1320
aaaatctttt cactggagag gatttggatg aactagaaga agaattaaat acacttgatt
                                                                    1380
tagaagaatg acaccaaaca catcgctgaa aaaattaagt cagctcaqca cqaqttqaaa
                                                                    1440
ttgactacat taatttcttt ccacctagaa tcaacaggat gtttatttcc tatgctgatt
                                                                    1500
ctggaggagt taacctcctg caaaaaaggc atcttgtccc tacatcttct cttctgactt
                                                                    1560
tggctacatc tcatagtaag ttcagagtag ttcatgataa attgaaaata taatgqtcat
                                                                    1620
tgcagaaaat gattgatgtt gtaactgtcc acccaagtaa gaagtgtatc tgcctttcca
                                                                    1680
tcttttggtt ttcatttggg catgtgctat taccagaaac aacaaactta tatttaaaat
                                                                    1740
accettcatt tgacacagtt tttaatgagt gatttaattt cetetgtatt tgtatgttta
                                                                    1800
gaagactgcc taaaacatga gcactgtact tcataaagga aactgcgtat gcagattcag
                                                                    1860
tattgtgtat ctttggacaa ttagatggac atttaaaatg gaacttcttt atctgacagg
                                                                    1920
atcagctaca atgccctgtg ttaaattgtt taaaagtttc ccttttcttt tttgccaata
                                                                    1980
aagttgtaaa taaagaccat catacattaa aatccaaaaa aaaaaaaaa ggggggcctt
                                                                    2040
tttaaagaac cettgggggg gecaaggttt cegegggeat geaaggtata attttteee
                                                                    2100
ttaagggggc tgtttttaaa cccaagttgg ggtttttggg aaagaaccct ttcttttggg
                                                                    2160
ggggcacata ttggaccacc cccctccag agtgtaaagc ctggggggga aaaaaaaatt
                                                                    2220
tttaaggggc aaaaggggaa aactaactgc caatccctgc cagtaagaaa atagggcnca
                                                                    2280
ntgcangaac ccaaaaatgg ccggaaggcc actcttt
                                                                    2317
```

```
<210> 6905
<211> 1102
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (201)...(448)

<223> similar to gil374867 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6905
ttttttttt ttggggtgtc cttgtagtat aaactaatac accagtcttg taaaccggag
                                                                      60
atgaaaacct tttccaagga caaatcagag aaaaagtctt taactccacc attaqcaccc
                                                                     120
aaagctaaga ttctaattta aactattctc tgttctttca tggggaagca aatttgggta
                                                                     180
ccacccaagt attgactcac ccatcaacaa ccgctatgta tttcgtacat tactgccagc
                                                                     240
caccatgaat attgaacggt accataaata cttgaccacc tgtagtacat aaaaacccaa
                                                                     300
tecacateaa aacceette ceatgettae aagcaageae agcaattaae etteaactat
                                                                     360
cacacatcaa ctgcaactcc aaagccaccc ctcacccact aggataccaa caaacctacc
                                                                     420
taccettaac agtacatage acataaagee atttacegta catageacat tacagteaaa
                                                                     480
tecetteteg tececatgga tgacecect cagatagggg tecettgace accatectee
                                                                     540
gtgaaatcaa tatcccgcac aagagtgcta ctctcctcgc tccgggccca taacacttgg
                                                                     600
gggtagctaa agtgaactgt atccgacatc tggttcctac ttcagggcca taaagcctaa
                                                                     660
atagcccaca cgttcccctt aaataagaca tcacgatgga tcacaggtct atcaccctat
                                                                     720
taaccactca cgggagctct ccatgcattt ggtattttcg tctggggggt gtgcacgcga
                                                                     780
tagcattgcg agacgctgga gccggagcac cctatgtcgc agtatctgtc tttgattcct
                                                                     840
gcctcatcct attatttatc gcacctacgt tcaatattac agacggacat acttactaaa
                                                                     900
gtgtgttaat taattaatgc ttgtaggaca taataataac aattgaatgt ctgcacagcc
                                                                     960
```

```
getttecaca cagacateat aacaaaaat ttecaceaaa ceeeeette eeceegette 1020 tggecacage aettaaacac atetetgeca aaceeeaaa acaaagaace etaacaceag 1080 eetaaceaga eggacgegtg gg 1102
```

```
<210> 6906
<211> 2622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (729)...(279)
<223> similar to gi5733822 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6906 atatcttgta accaccatac gccaagcttg gcacgagggc ctcactgtcc ctagtagttg 60 ggattacagg cacatgccac catgcccagc taaattttta atatttttgt agagatgggg 120 tettgetgtg ttacetggge tagttatgtg agtttetata ttagacatag tetcaagttt 180 caggtagggt ttaaagtaga gacactggtc agtatttctt ttttggggggg aactaggaga 240 gcaggagtag aagtgagatg ttaagatett atggcactaa agaettaeta ttetgtteet 300 acatactctg ttaggatcag atagatgtta tagaaatgcc ttttgtttct cctgcccttc 360 ttgatgtcac agttttttgt acttccagct gtctaaaqqc atqaatctcc tcttqqaqca 420 ttctcccaga cccttcttta gaagagtcta tactaagttc ttggtgccct cttcggcagc 480 caagggtgaa ggccccatag aggagaggat ccaaaggagc attgaggagg cccaagagga 540 aaaggatgtg gctcaggctg ggagggactt cagttagcat ggtgggggag aaccagtacc 600 acatacccag taggtaataa ggtgtccagc agaggatgaa ggtcagcaag ataaqcaqqq 660 ccagtctcag ggcccggaga cgaacacggg gacaattgtc aaaqqaqcqq qqqaqqqcaa 720 attcaccage aggggctagg aatttagaaa atatactgta attcagacac tcagcttctg 780 atctgagtat agggtgaatt gatggagggg catagctagt gagacagagc tcgcctccta 840 caaggaggag aatgttgcaa accgttttcc ccttcccaac ctgggactat atgatttctt 900 acceccaggg attatgatag aaatatgaag ccaccaagte tagaettgat ggtgtteaag 960 aataaataat actgattgcc tccctagtcc ttgtccagct aactcagctq tttataattq 1020 aagggattca acaaaattat ctctagcatc aggtgctaga catggttaga atctcaccat 1080 ggtttagtga ctggtagata gctattaggt aggtagataa ataaatqatq ctaqaqqcaa 1140 caggictagg gitaaggatt aaggictggg aattggagtc tcaccatggc tccccttcct 1200 tgtctggggc ctggacacac tgaggacaat gcggctatag cagatggcca tggcagtcag 1260 tggcagcaga aagaggcagc agaaggtgaa gaggttatag gtggtctctt gccattgagc 1320 cttgaagctg cctttggtga cacactgagt gaaagggact gggccagctc agtggaccgt 1380 gtggaacagg aacagctgga gtggagttga ggactattag aactggttcc cctcaccacc 1440 caacctaccc acctatgtca tactgtctcc tcccaattca tccttaattc caagtgaagc 1500 agcacagtgc tgagaaacag ttcatccatg gtgccatgtt aaagaagttg gaaatatatc 1560 ttgaaaatcc tatcttcctt ttaggcttga atatgatgct gaacagtaag tttgttaaat 1620 cttggaactt aaaacaatcc tgctttctca agtactattc taacattqcq ctttataaqq 1680 gatgatattt ctaccacctc actcatattt ttagctgaaa tgattttcct ggtatgtctg 1740 ttattttgtg gaaaaagaaa tattgtgtaa aatgggtgct gccaaaattc caggccattt 1800 tgcagggact ctgaagtgac ctttagtagt aatagtctta tgtgcagtaa ctataatggt 1860 aaagaatgtt aaataataaa atttaacatt ttccaaatgc tattqqqctq cccctccccc 1920 tttttgttaa attgctgggt tttccaactg aatcagtaaa aactatttct gtttagagct 1980 acaaggttaa agtgcctgct ttccagtaat ggagattgag tcactattaa tttgataaaa 2040

```
2100
ggtaagetca gtaggeatca gatteetaga tacaaggeat ttgggaaagt gattttagea
gacatgaggg acatttagga aagatgaata gtttcagcct aagagaattt tgtgaactgt
                                                                     2160
ttggagttac gatcaggcta ctctgagcta gttgggaaat ggtctttcct cttcccatct
                                                                     2220
                                                                     2280
cttgcattca tatatttcta agttttttt ttttgttttt gtttttgtgc tctgcctaaa
                                                                     2340
aagggettga aaattgtgag gagtttaaaa atagteaaag etggetggge egeggggget
caegeetgta ateeceagea etttgggagg etgaggeggg eggateaega ggttaggaga
                                                                     2400
                                                                     2460
tggagaccat cctggctaac acagtgaaac cctgtctgta ctaaagatac aaaaaactgg
ccgggcgtgg tggtgggtgc ctgtagtccc agctacttgg gaactcggga ggctgaggca
                                                                     2520
ggagaatgac ctgaacccgg ggggcggagc ttgcagtggg cagagattgc gccattgcac
                                                                     2580
tccagcctgg gcgacagagt aagactgtct ccaaaaaaaa aa
                                                                     2622
```

```
<210> 6907
<211> 2150
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (142)...(591)
<223> similar to gi2117305 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6907 ggacactgta ggccacgtgg ggcggaacgg aaacctcgca gggtcagacc gtagcgacgc 60 gggaagtccg gacgcagtag ctccctgaag cggaggcgaa ggggagttta agccccagcg 120 geggeaatgg eggagaggee egaggaeeta aacetgeeea atgeegtgat caceaggate 180 atcaaggagg cgctcccgga cggtgtcaac atctccaagg aggcccggag cgccatctcc 240 egegeegeea gegtettegt getgtaegee acateetgtg etaacaaett tgcaatgaaa 300 ggaaagcgga agacgctgaa tgccagtgat gtgctctcag ccatggaaga gatggagttc 360 cagcggttcg ttaccccatt gaaagaagct ctggaagcat ataggcggga gcagaaaggc 420 aagaaggagg cctcagagca aaagaagaag gacaaagaca aaaaaacaga ctcggaagag 480 caagacaaga gcagggatga ggacaatgat gaagacgaag aaaggctgga agaagaagaa 540 cagaatgaag aggaagaagt agacaactga aaagggcggg agactgtggc accttggaag 600 gtaccacttg aaatgagacg tgctacgtgt ttctgtgaag cttttccatg ctgggcagag 660 tagtctcagg caaaagtgcc tgaaaagatc agaataaaaa ctgactagaa ataccgtcaa 720 aaccagcact taccaaactc agagcatctg agtagcagaa teetgttttg etteatcaat 780 ctgaaggtta tggccttttg acaagaggga ttctgaacga ctaaattagt cagtttgctc 840 gettttgttt aettaaatgt atggttagat ggtttttgat etgeagtett eeetagteee 900 ccaaataagt aataataact tccatgctgc ctgctgtgtt ccagatcaca gaggcagcca 960 aggctcagga aaaactgggg ctttgcttat ggtcagccta tgtttgattg cacagtcttt 1020 gacaatagta gcttactaag actgctcaga atgagtaagc tttaggaaac tactaaaatg 1080 ctgtgggaga ataacaaaat ccgttctctc tcttcacttg acagaagcat taactgaatt 1140 ttgtttttca tagacccact tggcccaaaa cctttctata ttgcctgtag atgatcggcc 1200 tgctggtgtg gtagtaatct gatcacagat attcttaaat cagcagtgtg gaatggtatt 1260 agtcaaacat ggtgccagtg tcttttacaa aaacagatgg catagtgtca gatgtacctt 1320 actototget actgtacage tttaggattt gtcatcacct cccggaaggt gtaaaacccc 1380 aggetteete ttettgtagt ecateteeca gaettgtgae tatggetttt eattetteaa 1440 ttcatgacga gtgccaaact tgattttctc taggcacagc tttctccctc tgtgcctcct 1500 getteettte teteteetge eteteetetg etececatee eaetttetea tetgeeteet 1560 tttctcactt ctgtcagtct gtaagctttg ataacctgct taatactcca aagtgtgagt 1620

```
tectetqate tettgattee ttagttetaa teteaegttt tgtttttaag agatggagte
                                                              1680
totcactotq tqqcccaqqc tqqaqtqcaq tqqcatgatc atagctcatt gcatcottga
                                                              1740
aatcctgggc tcaggtgatc ctcccgcctg agcctcctga gtatctggga ctacagatgc
                                                              1800
gtgccaccaa gcctggctaa ttttgtctca tgtcttctaa aaattatttt gtgaagcccc
                                                              1860
ttcacaaaaa accttaaggg aaatctgatg gtgctcagga atctaactct ccctaaacca
                                                              1920
tectetttaa etgettetaa aatatetetg ttggeettte ttageetttt tetgttteea
                                                              1980
ttcagtgctc caagcgcttt ttgtttctaa gttgagtgct tggggtttga caggtagtga
                                                              2040
cqtqtaqttt qacactqtta acttqttaaa tacaqtqaaa aqtttqtqaq tqaaqaatqc
                                                              2100
2150
```

```
<210> 6908
<211> 911
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (912)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (220) ... (851)
<223> similar to gi246483 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6908 ggcacgaggc ataatgtggt caagagcagc agtcaaaaat aattggtttc ttttcccatg 60 ggatgagaaa gtgcgttcct tcccctatca cagtgtcctg aatgccatgg aattggtcga 120 agatgacaga cagetetetg tgeageatea cattgtagaa qqeaqaqtte eecacacete 180 ctgcagaagc taaggacagg gcagacttgg cagctgtgtt tccatctgct ggacccactc 240 acgectgcgt ccactecaac eccecacatg aattecgtee etttateatt gatttetgat 300 gcgaaaagtc actttgatta gtgaagtgtt gctttatgta gatttttagg cacacatctg 360 ttagataaaa cgaggattgc ctgtagagaa agcaaataaa agcaaaqtcc ctcttqttqa 420 aactggtgtg ggagcccttg aacctcatgc agctggcctc cctqctctqa ccqaqttccc 480 tgagggactt ctccaaggag gaatgtgtga gaagcactga ttttqaqcac tctttcatqt 540 ggacaaattt cactttattt acaatgtaaa cttaaattta aattctqtct nnnnnnnnn 600 660 720 780 840 900 ttttctgcag t 911

<210> 6909 <211> 813

```
<213> Homo sapiens
     <220>
     <221> misc feature
     <222> (182)...(44)
     <223> similar to gi330005 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6909
gccagtgggg cagcaaaggc cccttggggt aacaaaggtg ggatgtggaa ggccagggga
                                                                       60
gcccgggggc gagagtgggg gcagatggag gctcgggaag atcagtattg aggaccatgt
                                                                      120
aggggggagg gggccgggaa gggacctggc tggggaatga gaaaacctgg ggccatcgtc
                                                                      180
aacccagaga cttgggtttg caggtgaagg gtatcgggcc gtccatccct ctagcatgct
                                                                      240
tctcacgact tgcatcttta cccactagac ttctgcactg acccaggggc tggagcgaat
                                                                      300
cccagaccag ctcggctacc tggtactgag tgaaggtgca gtgctggcgt catctgggga
                                                                      360
cctggagaat gatgagcagg cagccagtgc catctctgag ctggtcagca cagcctgcgg
                                                                      420
tttccggctg caccgcggca tgaatgtgcc cttcaagcgc ctgtctgtgg tctttggaga
                                                                      480
acacacactg ctggtgacgg tgtcaggaca gagggtgttt gtggtgaaga ggcagaaccg
                                                                      540
aggtcgggag cccattgatg tctgagcctg ccggagggcg agggtcggag aaqcqqattq
                                                                      600
ggtcctgggc ctctgtgatg aggcaggcac acctgtcggt cttggcttgc tgctagaact
                                                                      660
agggeettet getegeecae eteceaecee taeetggaeg ggeecagget tggggaetet
                                                                      720
gagctgtgtt aaggagaaca agggcaagga gacctccctt tgtgctccct cactccctaa
                                                                      780
taaacatgag tctgatgttc tccaaaaaaa aaa
                                                                      813
     <210> 6910
     <211> 2106
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (1)...(2107)
     <223> n = a,t,c or g
     <220>
     <221> misc feature
     <222> (1024)...(1222)
     <223> similar to gi4262296 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6910
ggaattcgcg agcgcagggc gcatgactgg caggcagctc cacctgcagc cctggtgccg
                                                                       60
gtatccacta ggtgaagcca gctgggctcc tgagtctggt ggggacgtgg agagtcttta
                                                                      120
tatctagctc agggattata aacacaccaa tcagcaccct gtgtctagct caaggtttgt
                                                                      180
gagtgcacca atcgacactg tatctagctg ctctggtggg gccttggaga acctttatgc
                                                                      240
ctagctcagg gattgtaaat acaccaatca gcaccctgtg tttagctcaa ggtttgtgaa
                                                                      300
```

<212> DNA

```
tgcaccaatc gacactctgt atctagctgc cctgatgggg acgtggagaa cctttgtatc
                                                                      360
tageteaggg attggaaacg caccaateag egecetgaeg aaacaggeea eteggeteta
                                                                      420
ccaatcagca ggatgtaggt ggggccagat aagagaataa aagcgggctg cccgagccag
                                                                      480
cattggcaac cegetegggt ececttecae actgtggaag etttgttett tegetetttg
                                                                      540
caataaatct tgctactgtt cactctttgg gtccacactg cttttatqaq ctataacact
                                                                      600
caccgcaaag gtctgcagct tcactcctga agccagcgag accacaagcc cactgggagg
                                                                      660
aacgaacaac tccaggcgcg caatgaacaa ctccaggcgc gccgccttaa gagctgtaac
                                                                      720
actcaccgcg aaggtetgca gtttcactcc taagccagcg agaccacgaa cccaccagaa
                                                                      780
ggaagaaact ccaaacacat ctgaacatta gaaggaacaa actccagatg cgccacctta
                                                                      840
agagetgtaa caeteaeege gagggteeae ggetteatte ttgaagteag tgagagaeea
                                                                      900
agaacccacc aattccggac acattttggc gaccatgaag ggactttcgc ctattgccaa
                                                                      960
gcggtgagac aatcgctgag cagtgagacc atcacctatt gccgagcggt gagaccattg
                                                                     1020
cctatcgcca agcaaatcga ggccatcaag ctacagatgg tcttacaaat ggaaccccaa
                                                                     1080
atgagttcaa ctaacaactt ctaccgagga cccctggact gaccagctgg tcctggcact
                                                                     1140
teccetggee tagagagtte ecetetgaag gacactacaa etgeaaagee eettettege
                                                                     1200
ccctatccag caggaagtag ctagagcagt catcggccaa attcccaaca gcagttgggg
                                                                     1260
tgtcctgttg attgaggggt gacagcatgc tggcagtcct cacagccctc actcgctcgc
                                                                     1320
teactetegg caceteetet geetgggete ceaetttgge ageaettgag gageeettea
                                                                     1380
gctctgtatc tagctactct gatgggtcct tggagaacct ttatgtctag ctcaaggttt
                                                                     1440
gtaaacacac caatcagcag cctgtgtcta gctcagggtt tgtgaatgca ccaattgaca
                                                                     1500
ctctgtatct agttactctg gtggggcctt ggagaacctt tgtgtcgaca ctctgtatct
                                                                     1560
agctaatctg gaggggatgt ggagaaactt tgtgtctagc tcagggattg taaacgcacc
                                                                     1620
aatcagcgcc ctgtcaaaac agaccactcc gctctaccaa tcagcaggat gtgggtgggg
                                                                     1680
ccagataaga gaataaaagc aggctgcccg agccagcagt ggcaacccac tgtgggtccc
                                                                     1740
cttccacact gtggaagctt tgttcttttg ctctttgcaa taaatcttgt actgctcact
                                                                     1800
ctttgggtcc ccactgcttt tatgagctgt aacactcact gcgaaggtct gcagcttcac
                                                                     1860
tcctgagcca gtgaaaccat gaacccacca gaaggaagaa acgctgaaca cacctgaaca
                                                                     1920
tcagaagaaa caaactccag acgcgccacc ttaagagctg gaacacttac cgcaagggtc
                                                                     1980
cgtggcttca ttcttgaagt cagtgagacc aagaaccccc caattccgga tacagtgcca
                                                                     2040
ctgcactcca gcccaggcaa cagagcgaga ttctgtctaa aaaaaataaa ttatgtnana
                                                                     2100
tatggg
                                                                     2106
```

```
<210> 6911
<211> 2385
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2121)...(849)
<223> similar to gi54806 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6911

ttgaaagtca gaaaccttaa tcccaattat gtagtgctac attcttttca tctactttaa 60

tgtttgtaaa tatacacata aagctttgtc tccctgccca cctggcctag tcattttgga 120

ctctgtacct caaagccata aataatattt cttctattag aagagaagca ctttcagtgt 180

ggaaaaaaat ctttatttca aagtaaaatg cacaaagtct catacagcag ataaaatcag 240

tgttactgct ctcagatgtt aaggttagca acctttctgg catatgctaa ttcatcatga 300

actcccaata gctgaactga atggcttta agtacagcta taaggtctca tggtataatt 360
```

```
cettttgttg atgecagtga caggatttta aaagetacat tecattaaaa attaaaaata
                                                                      420
cagcagettt tecaggggaa etagateeca aaattgtace cagaactett gtetaagata
                                                                      480
ttaagttaaa tatcttgcat gtatatatca ttatagtaaa tcagtattct tgacaaccac
                                                                      540
agtgtaagaa attaaacttt ggctaattgt tttccccatc atgaaatcag tcttttgctg
                                                                      600
tcttcataaa taaattatga ccaaacatta caaatacttt atacatgttt actgatttac
                                                                      660
agagaatatt taataatcag aactcaccag tttcaatagt attgtacatt aaattataag
                                                                      720
caatataacc actgctacaa aagttatcta agttaatcca agataaaaac tgtgtctaga
                                                                      780
gtttaaatac attgaaatag aaaaaaaaat agaaattaga aaatagtctt caagttctga
                                                                      840
aaatctagaa gaatteteea aeatetgete tettateteg aeatttgett etagetttgg
                                                                      900
ttcgagcttt gaaggctgca gagttatata aatgcctttc gaaacgagaa atcttcatcg
                                                                      960
ttttaagcgt tgcagcatca agcatcactg ggggtccaag ttcaaataca tttcgaagga
                                                                     1020
attcatttga ctgcaagtgg tactgcatcc ctgatccaag aacctcctta aaggtgtcat
                                                                     1080
aggtgtgttt ttttacccag caatcaatat acatgcgttc aggaccaaat ttaatggttt
                                                                     1140
ctgttggaaa atcccgttcc tccactgccc tcaggacatc tctgaaaact gaccgctgct
                                                                     1200
ttctcttgtc cactttggcc cggtgtttat ttccatctgt tgccaaqqcc ctaaqcatct
                                                                     1260
gcgtcaagga ctccatgtct tcataaaaaa agtcactctc tattcctctg gccaattcaa
                                                                     1320
agagaagtgc caaagattca ccagcagcta ttctcatgtt tacatcatca caagagagga
                                                                     1380
ggcttggaag cttatggaaa tgcatctcaa gctttttctt cacttcattg attgggcata
                                                                     1440
tggtcagcag tagtgtccat gcaagaagag agctgatatg aagcactgta ttaggagtgc
                                                                     1500
tgcaaataac agtagtgtct ttctctttga gataggattt agtgaagata ttttccaaac
                                                                     1560
attccagagt tgagtatagt tcagtaatgt catctgtggc aataaaacag caaacaccaa
                                                                     1620
agcaagttgc acaagtttgc ctagcctgca tactagctga cccatcacaa atgattttct
                                                                     1680
ttaggattgg tccaagagtt ttcaaaatct cttcactttc aattccaggg cccagctgaa
                                                                     1740
tacaaagaac agatgctaac gctgcagctg cacgttgctc atcactctta ccttttttca
                                                                     1800
ggcagcgttc aatgctatca gttaaagtca ttctcctttc cagaataaat tcatacagca
                                                                     1860
tttttgaagc cagtgcattt ttaatacctt caagagctgc ttgccttgtc ttcgcactct
                                                                     1920
tatccagggt taggtcaatt aatccctttc tcttgtactc taggtcttct tgagttcctt
                                                                     1980
cctcatcaag gacttctggt ccccatcttc agcaaaaact ggaaggatcg ctataaccac
                                                                     2040
tgcaatggct catagtttca attgatgcat cttcatcact aaaaggctga acatttcgat
                                                                     2100
gctggccacc ttgtgatcgg cttctgagaa ttaaatggga tgtccacgta aagttcttcg
                                                                     2160
cataatgttg gcacctagtg atcaccaata aatgttaatt ttatgtaaca gtgctaccag
                                                                     2220
ataaagcagc tggcatcagc ccaaagcctg accagttcag gctgttggct caagtgaaaa
                                                                     2280
taagtaataa aggaacatca aatactggga ggaattacac acatcccttt ggaacaacct
                                                                     2340
ttaactatgt agaccttgaa tgaaccagga gccagaagga gtgca
                                                                     2385
```

```
<210> 6912
<211> 776
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (359)...(135)
<223> similar to gi18499 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6912
ttttttttt ttagaaagcc aaagtctttt attaaaggtc ccgactggtt ttcccactgt 60
atttccatgc cagccagggt ccagggacag cctctcggga ggtaccgggt ggctgggcct 120
ggggcccggt agcacagcgc ttaacggtat ctgcctgctc cactccacgg ggccagaggc 180
```

```
240
tagetecage tgetgeeege ggeateceeg eteatteeeg etgegeaget eegegettge
                                                               300
tatetaagat eteeeteeag ttgteaetee aggagageag eegteteett gtegggggea
                                                               360
ggaccaggtg ccgattgtgg cagcaggtga acaagatgtg ctcccagctt ggggtctcct
                                                               420
cctggcctcg aactgtgtcc ttgtcatcaa tgagcaggtc ccccaagacc accgtcttgt
                                                               480
cccttgtcag gataattcgt tctacgaact ggggccccag gtgctgctcc acccaqcqqt
                                                               540
actgtgtaga aaacacagtc tgtgagtagg gcctgatgga agccggaatt caqqqataqq
                                                               600
gagttggctt taagcccttg agagccccc accccacct tctgggtttc tggtggtttc
                                                               660
tttttaaaat caggatttag gcagctccac gtgcggagta ggggcggagg gggcgtcggt
                                                               720
caggggcacg cgcccaaagg ctcctcccca gggtgcgctg cccgcgggtt ccaggg
                                                               776
```

```
<210> 6913
<211> 1584
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(684)
<223> similar to gi3411072 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6913
tttcgttggc cgtacggtcg ctgtgggcgg gccggctgcg ggtgcagcgc ctactggcct
                                                                    60
ggagtgccgc gtgggagagc aagggatggc cgcttccatt cagcactgcc acccagagaa
                                                                   120
ctgctggtga ggactgccgt tctgaggacc ctcctgatga gcttgggccc cctcttgctg
                                                                   180
aacgagcctt aagggtaaaa gctgttaaac tggagaaaga agtccaagat ttaacagtga
                                                                   240
gataccagag agctatagct gattgtgaaa acataaggag gcgaacccag agatgtgtgg
                                                                   300
aagacgccaa gatatttgga atccagagtt tctgtaagga cttggtgggg gtggctgaca
                                                                   360
ttttggagaa gactacagag tgcatttctg aagaatcgga gcctgaggac caaaagctca
                                                                   420
ctctggagaa ggtcttccga gggttgttgc ttttataagc aaagctgaaa agtgtgtttg
                                                                   480
ccaagcatgg cctggagaaa ctgacaccca ttggtgacaa atatgacccc catgagcatg
                                                                   540
aactcatctg tcatgtgcca gctggtgttg gggtgcagcc tggcaccgtg gcattagtaa
                                                                   600
gacaagatgg ctacaaactt catggccgca ccattaggct tgcccgagtg qaaqtqqcaq
                                                                   660
tggagtctca gagaagactg tgaagaggcc atcaggaact ggatgttctc ccagagcgca
                                                                   720
gtcacctatg tttctttat ttattaaact aggtttgtat tgtacatgag gtacttcatg
                                                                   780
tgatatgttt tggatttagt catattggct ttatttctaa gatattctat tgatttaatg
                                                                   840
tgacctgttt ggtctcatca gaagtcttac cattgggcat ttgaacagtg tgacaggtgt
                                                                   900
tccaatggcc tttatcaaaa catgtttagg aaaattggta ctgtgataaa tttgaatcca
                                                                   960
aaatcctttt aactatgggt tttcaactac atgtttcttc ctagcggtct ctataacagg
                                                                  1020
aattgtgtag tatcttgtat tttgtggaaa aaggagatgg tagggattgg ttcaacattt
                                                                  1080
gggtacttag aggataaagc ttcgtggtcg tataaattta gatcatttgg attgatttt
                                                                  1140
1200
tgttcttgta atcccaacta gataggcttt atgctcacat cattgtccca tacccacccc
                                                                  1260
tttctcatcc ccatttgcag gggctaaagg tctagatgag acttggaagg caaggagcat
                                                                  1320
cgaaatttga gatacccagg accetttcaa gcaagaatgg ccaaaaagce ttgtgctgte
                                                                  1380
tttgctcttc aaattatttt cagcctcctt gtcatataat catttcaggc aaactgaggc
                                                                  1440
aaccactaac agctaatgac ccagatggct ctatttgggt aatttaccta caacttattc
                                                                  1500
caccageett tacteetetg ceettttgte aattttacet tataateett tattaaaatg
                                                                  1560
atgggaggtg gtgatcagga caaa
                                                                  1584
```

```
<210> 6914
     <211> 1083
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (71)...(620)
     <223> similar to gi3874988 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6914
agggacggac cagetttaac tetetgeteg cettegeege tgtegeegee aceteetetg
                                                                       60
atctacgaaa gtcatgttac ccaacacgg gaggctggca ggatgtacag tttttatcac
                                                                      120
aggtgcaagc cgtggcattg gcaaagctat tgcattgaaa gcagcaaagg atggagcaaa
                                                                      180
tattgttatt gctgcaaaga ccgcccagcc acatccaaaa cttctaggca caatctatac
                                                                      240
tgctgctgaa gaaattgaag cagttggagg aaaggccttg ccatgtattg ttgatgtgag
                                                                      300
agatgaacag cagatcagtg ctgcagtgga gaaagccatc aagaaatttg gaggaattga
                                                                      360
tattctggta aataatgcca gtgccattag tttgaccaat acattggaca cacctaccaa
                                                                      420
gagattggat ctgatgatga acgtgaacac caqaqgcacc taccttqcat ctaaaqcatq
                                                                      480
tatteettat ttgaaaaaga gcaaagttge tcatateece aatateagte caccactgaa
                                                                      540
cctaaatcca gtttggttca aacagcactg tggtaggtgg taggtggtag ggtgagggga
                                                                      600
tggtttgtgc ttaatttgtt ttgaattaaa tctgtgtatg tctgatgtaa tcacaatctg
                                                                      660
cacataacat tcatcattga attttctatg ccaagtcatt aagtggcatt tggaaagtag
                                                                      720
attetteate tittatetgt aatttaaaaa attgaggeat aattgacatt caataaaatg
                                                                      780
cacagetett aatggtteag tttgatgagt tttgagaaat gtatataace aacacecaaa
                                                                      840
tcaagataca gatttttacc atttcagaaa gctcttttca tttcccaatg gagtgtgttt
                                                                      900
tactgtgtgt aatttattca tctataaagt tggttaaaaa ctatctatga gatactttat
                                                                      960
ttttcttaga caggtatgca cctgtagtcc tagctacttg aaaggctgag gtgggaggat
                                                                     1020
egettgagee caggagtttg aggetgeagt gagetaggat catggeactg cactectgee
                                                                     1080
tgg
                                                                     1083
     <210> 6915
     <211> 1157
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (32)...(12)
     <223> similar to gi3738265 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 6915 60 cagtggcccg attggggtga caggcgccca aatggccaag tggctacggg actacctgag 120 ctttgggggg cggaggcccc ctccgcagcc gcccaccccg gactacaccg agagcgacat 180 cctgagggcc taccgcgcgc agaaaaacct ggacttcgag gacccctatt aggactccga 240 gagccgcttg gagccggacc ccgcgggccc tggggactcc aagaaccccg gagatgccaa 300 gtatggttct cccaagcacc ggctcatcaa ggtggaggct gcggatatgg ccagagccaa 360 ggcccttctg ggcggccccg gggaggagct ggaagccgac actgagtatt tagacccctt 420 tgatgctcag cctcatcctg caccccgga tgatgggtac atggagccct acgatgccca 480 atgggtcatg agtgaacttc ccggcagagg ggtgcagctc tatgacaccc cttatgagga 540 acaggaccca gagacagcag atggaccccc ttctgggcag aagcctcggc agagccggat 600 gccccaggaa gatgaacggc cagcagatga gtatgatcag ccctgggagt ggaagaaaga 660 ccacatetee agggegtttg cagtgeagtt tgacagteca gagtgggaga ggactecagg ctcagccaag gagctccgga gacctccgcc cagaagcccc cagcctgcgg agcgtgtgga 720 cccagcctg ccctggaga aacagccgtg gtttcatggc cccctgaaca gggcggatgc 780 agagagecte etgteeetet geaaggaagg cagetaceta gtgeggetea gtgagaecaa 840 cccccaggac tgctccttgt ctctcaggag cagccagggc ttcctgcatc tgaagttcgc 900 geggaccegt gagaaccagg tggtgetggg ccaacacage gggecettee ccagegtgee 960 egagetegte etecaetaca gtteaegeee aetgeeggtg eagggtgeeg ageatetgge 1020 tetgetgtac ecegtggtca egeagacece etgacagtga eceteggeec eettttgagt 1080 cctcgggccc agaattgtat cccaaagccc tcccatggcc tagaaaataa ataagtttat 1140 gtttaaaaaa aaaaaaa 1157

```
<210> 6916
<211> 1349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1300)...(664)
<223> similar to gi2226004 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6916
cagteteett etetaceaca ataattaget ggtggtggtg geatgtgeet gtagteecaa
                                                                       60
cactcagaag gccgaggtat gaggattgct tgaactttgg aggtcgaggc tacagtgaac
                                                                      120
caagategeg ccaetgeact ccageetgga tgatggageg agacegtete aaagaaaaaa
                                                                      180
agttttcctg gcgattctta cacatatatg agcttttaaa agcatatatt taaataacat
                                                                      240
tttaatgaca aaatttgatg ctctcaagta tcaaaatgga aataccaaca gcaaggtttc
                                                                      300
cagggatgtc caacaccaca gagcagggag gcctggctgg gcctccactg ttgaggtcat
                                                                      360
catggtgctt ccgctttatt ctgattaact tttggttaca cacattgaaa aatgacctaa
                                                                      420
gagagttgtt ttgagtggcg ctttttctca ttgtacagct cctgctagca gtttactgca
                                                                      480
acactgattt ctctggaacc tctcagtttc cagtcatcat tagggctgtt actagcaagg
                                                                      540
acctacaage cageeteaaa atgtgagagg getgeegaca gtetteetgt ggttagetge
                                                                      600
cacagtgeec agggaceate tteeetetee teeteecea etgecagete etgttecage
                                                                      660
cgcatcagtt cctcatttga gagatcttct tcatgggact gcagcaactg gtccacagca
                                                                      720
gcctcagcaa cctcttcaaa ggccacattt ctggcaaggg tcacaatgtt tttttgaagc
                                                                      780
tgtgcaatgt tatctgcctg ggaaaaacgc tgggcctgaa cacactcagg ccaaatcttc
                                                                      840
ttccacatgc tgttcattag tgctggtttg agctcctccc atgcgatggc catgtccaca
                                                                      900
```

```
gcatccatga tgctgtagtt tctccaaaat tccctgatca tagctgtgtc ctcaccatcc
                                                                     960
gctgcttcta ggatgtgctg aaaagtcctt ctcaqataat qaqctttcaa qqtcqaqatt
                                                                    1020
acaccttgac acgtggtccg gattgagtca gctgtactgt catgaaggta ttatactctt
                                                                    1080
ggaattettt tttttettt tttttttgga aaeggagttt aaeteetqtt geecaqqatq
                                                                    1140
gagggcaagg gcgcaatttg ggttaaccaa aacttccqcc tcccaqqtta aaqaaatttt
                                                                    1200
cttgttttac cctcccagaa agctggaatt acgggcctgc accaccaccc cgcgttaaat
                                                                    1260
ttttttttt aataaaacg gggtttttcc atgttggggg tgggcttgaa ctcctggacc
                                                                    1320
taggggaacc ccccgttttg ggcttccaa
                                                                    1349
```

```
<210> 6917
<211> 1346
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1347)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (514)...(942)
<223> similar to gi4379067 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6917 cggggtggct tagcgttgat aacagaagat tctgagatgg gtgagaagtg gtccacacgt 60 ggccactgtc attcctctgg cataatggac ttgggctcag gaggtcaagc cctcttcaag 120 gagcatgage tgaaattget aaactttggg agtttteegt gacaccette aaagtgetea 180 cggtgtggca tggatcagct ggggagggtt gatgtggttt tgccctgtgg ggtatctatc 240 tgtgtacttt tgtctgaggg aggcaactgg ggccacttag gccggcaggt gcccactgtg 300 attggttgac atgataccaa gcaacaggat catccagtca ccttcaatgc agggaggatg 360 gctgacaggc tccctgggtg acacttcatg caatcagatg tcgagttgga ctgtgacata 420 gagccatgtg gccacactaa attcccccc acccttcccc tgtccacaac cgtcattgtc 480 tgttcttgcc atccagtggc cactgcctcc accatggctg aggctttctc taagacaacc 540 tetgaggaag accagageat ceaggageee aaagaggeea acteeatgae ggeeeagaag 600 cagaagaagt gagggcttcg aggctcccgt aggcgccatg ccaacagcgg cggagatatc 660 ttcggggaca gctttgccgc ctatttcccc cgggtgctga agcaggttca ccaggccctc 720 agcettteee aggaggeegt gagtgteatg gattetatgg ttegtgaeat aetggaeege 780 ategecaceg aggetggtea cetggeceae tactecaagt gegtgaceat caceteegg 840 gacattegga tggeegtgtg cetgetgetg ceggggaaga tgggeaaget egetgagtet 900 cagggcacga atgccaccct caggtacacc aaaagcaagt gagctatctc aggagcgccc 960 gagcacccgg gaaagccaaa tgctctgttc agaaccacca cacgtggccc taaagaccag 1020 tggcctgcca aggagggac cccactggag attggggtgg gtggcaccgt tctggcttgg 1080 ggagcatgtg gcgtgtggcc ttctgcggtt tttcaagcat ttttcccaca gtgcaaaaca 1140 ctgtcaactc caatacatct gtagtgcaat atgctccaag gaaaagtagg gggtgtttcc 1200 gtaatcgtgt ttcatgtcct cagtttccta aatgggccgt tttatcagnt atctttctag 1260 gntatctttg gggggatatt atcaatgtac tgatgtttac ccttttcact ctcattctcc 1320 tacaactgga tggnggaatt ntccag 1346

```
<210> 6918
     <211> 1236
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (1056)...(1067)
     <223> similar to gi1890647 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6918
ggaattcgct ttctctgttt ttcatatttt ggaaaatatc cctctttaat ctcttgtttt
                                                                       60
ttgaaagcct aaagatgcca ggtaacaaat gttgcactct agaaccgtca cctttttat
                                                                      120
ataactttat agtagtttct tccacattta ttatgacctt atgaattagc tcagtaacat
                                                                      180
tgctctgaca ggtatcacta attaaatatt gttcaaaaat tctgtgaagc attctgcctc
                                                                      240
attaatgtag catcattggt gaggetttat aattttttte atetgtetge geagtatgtt
                                                                      300
ttggttttct aatgctagca agagctacat gcaacatatc atttgcctgg gctqccagca
                                                                      360
gctgtgcatc ttttgtaacc tgtacgtaaa ataaccatta gcagccagaa atgttaacac
                                                                      420
attaacctcc tcttaatgta taattatgga tatatgggat aactgttagc atgctcagct
                                                                      480
cactgctgaa gaatttatca tctctttgta tacaggcatt tgatgtatgc actaacctcc
                                                                      540
ctaaaatcat atgctgcttt gttttgtttt gcatggcttt taactaaact cttatccaac
                                                                      600
agatgctgag caggaattac tctcagatga cgcttcatct gtttcacaaa ttcagtctca
                                                                      660
aactcagtca ccgcaaaatg tccctgaaaa attagaaggt actcaatgta atttcccaca
                                                                      720
tagcattcac tgagttagtc ttgagtctgt ccctctgtgt tttgttttca cgtgaggaag
                                                                      780
ttgaatacct catcacagta agttttccat attttactta tatctcccaa taattacata
                                                                      840
ttttatatca ttaaaaatgg ggcgctactt ttgttcagca tttatattga tttaccttaa
                                                                      900
tctgaatttt ggcaacccgc agttcttaag aatttgtgga attggctggg cgcggtggct
                                                                      960
cacacctgta atcccagcac tttggaaggc cgaggcaggt ggatcacgag gtcaggagat
                                                                     1020
caagaccatc ctggctaaca cggtgaaacc ccgtctctac taaaaataca aaaaattagc
                                                                     1080
tgggcgtggt tgcaggcacc tgtcgtccca gctactcggg aggctgaggc aggagaatgg
                                                                     1140
cgtgaacccg ggaggcggag cttgcagtga gccgagatcg caccactgca ctccggcctg
                                                                     1200
ggggacagag cgagagtctg tctcataaaa aaaaaa
                                                                     1236
     <210> 6919
     <211> 1208
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
```

<222> (1)...(1209) <223> n = a,t,c or g

<221> misc feature

<220>

```
<222> (691)...(909)
<223> similar to gi2318003 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 6919
ttttttttt ttgtgtgtat aaaaaagtga tatgtcttta atttaaaatt atgacccgga
                                                                   60
aataactagt cagtttaagt gatccagact teetetteat acccaaatqq aacaqacaca
                                                                  120
180
cagegacett getggggcca teagacegea cagagtggag gtgcccaage tgctaggetg
                                                                  240
ctcttaatcc agccacactg agaagagctt tccttctacc agcaactccc tcgctqqqtc
                                                                  300
cgatatecce etteacetee ettttagetg geaetgeaeg aatgeeteea eagaqaqget
                                                                  360
gacagtacag cagtcacctc ccagctgtct tcggtgcatc ttcagggcca ccttcctgtg
                                                                  420
gtcacaatag aggagttgag cattctaaac gttcgtgccc aggagggcag cgtcttctct
                                                                  480
ttttagctga ggtctggagc cctgagttgt aaccattggt catatgtggc tgaggcaccg
                                                                  540
acagcaaatc gccaaacttg ggaaacgatc tggggagatg caagggcctt ggtaattgat
                                                                  600
ggtgagtaag tccatggagt tttcatccca tcatggcaga aggctggcct gacccctgcc
                                                                  660
ctcactggat gatgctgtct ggctgcccat tctgggccac ctgcccaggg tcagaggcgg
                                                                  720
gggccgggtt agctgtgttg ctctgcaggt agcggcggaa atctttgatc ataggccgga
                                                                  780
ggacctggat gaggacgete agggeageet gtgtgeeete catggeetgg geetggeget
                                                                  840
cctgggcaca ggcctgcact tcctgggagc ggcggatcat ctgcagtagg tcgttctgct
                                                                  900
gttccaggtg ctgtgcgatc tccttcacat gcaggttggt gacccgctgc tcctgtatca
                                                                  960
gettggegga gttgagagea atgeggetet tgagegettg eggettgaee qaeqtqtetq
                                                                 1020
catgctgggc catcatgtcc acaggggtct ctggtggcag aggtgggggc qcctcaqccq
                                                                 1080
tgcagtactc caccacgccc tcctccagcg tgtgataggt ggtctctgtg gggatctgtg
                                                                 1140
teagggaatt ceaegenntg tactgatgaa ttetataete aattgnnnnn ggeeegeete
                                                                 1200
ccttccct
                                                                 1208
```

```
<210> 6920
<211> 1608
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (891)...(1323)
<223> similar to gi4567070 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6920
ctgaattcac gggtccaccc acgcgtgcgc tgaggatggt gctggggagt tatcaccggt
                                                                      60
tttgtgggca gggctaacag tctggacccc tgtgcgaccc aaggaqaqac tqaaaaqqcc
                                                                      120
cccgactgaa aagcaggagc gagggcctgc ctcgagcacc cttgggatgg cagggccatg
                                                                     180
ggcccgactg caaagcctcc tggggagccg gaagagccag cacaggcggc aggcacggag
                                                                     240
ccacccaaat gggctggcat gggcgggagg gaggcacacc tgcctgcggg ggacaggagg
                                                                     300
gtgagecetg agaccetgeg gaggeeteca caggeegeee cagttgecat catetacagg
                                                                     360
ggtcagagac aggcctgcca cctccctttt ctgaaaagat gcctttgggt gtcatgccct
                                                                     420
ggggtggcac tggaagcctg ggatggaacc aggaacctgg gactgtgcgg ggaccccct
                                                                     480
```

```
cacaccectt caccagetgg cttcctgccc tecetgttag ccatcaccet ctggtcacca
                                                                      540
aggtgetgtg cccggccctg ggctggatgc tgggaaccca gagtgaattc gaagtggccc
                                                                      600
ggcccagggg agccaacgtg tggcccaaca tggacgctca ggacagctgg gagacggcac
                                                                      660
eggeegggee cagggeagtg ecagagtgee cacagaggee ageeetgtee caetgggett
                                                                      720
cacctgctcg tgctgccttt ccctagagcc ctgggggctt cctaggaatg tgccgcaccc
                                                                      780
geogecetge tgecetggea ttggeetagg tgggegetge agetecatgg ecceacagag
                                                                      840
                                                                      900
geogettgte caggeaggga gggeegetea gggegggtae catgeetget geeeteteae
aggactgcct tcagggcatc cgqaqcttcc tqaqqacaca ccaqcaqqtc qcctccaqcc
                                                                      960
tgaccagcat cggcctggcc ctcacggtgt ccgccttgct cttcagctcc ttcctgtggt
                                                                     1020
ttgccatccg ctgaggctgc agcttggacc gcaagggcaa atacaccctg accccacgag
                                                                     1080
catgtggccg ccagccccag gagcccagcc tcttgagatg ctcccagggt ggacccacac
                                                                     1140
attgtctcca ctccgaagca gttgctattg gtccaagagg atgctcgggt agtcttcggt
                                                                     1200
ggctgcagga gagcgatgct gcgcctctgc ccctctcctg ccacctggct gcccacagag
                                                                     1260
ctctccaggg cagaagtcgc ggtgggctca gtgggtgccc tgagcggggt ctctcagact
                                                                     1320
gacgtcaggc cttggtgggc tgcactctca cctggaggct ccggggaagc atctgcctcc
                                                                     1380
aggaccattc aggctgttga caagtcaact cctcatggct gtaggactga ggttcccaag
                                                                     1440
teettgteee tggteetgtg gteeeteeae etteaaacca geaatggtge attgageaaa
                                                                     1500
ttgtggtcaa atatacatca catcaaattt accatcttaa ccattgttaa gtgtatggtt
                                                                     1560
tgtggcatta aatacattca cattgttgtg caaccatcaa aaaaaaaa
                                                                     1608
```

```
<210> 6921
<211> 1235
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (752)...(1061)
<223> similar to gi170454 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6921 ccgccctgct atgaggacgc cctctacttc ccggagctca ttgtccactt tatgacagct 60 gtctgtcatg gggatgggca gggtgctctc tgagaccccc cacgggcccc agagtggccc 120 cctccccacc attccaccat gggcttagat gcccgagtga ttgttgtcca aaacaggcgg 180 gaaaacagac cagccacaca caaggggcag gggtgagggt gggggtgggg gtccttaaac 240 agactaaaat gcagttacct gtggtcattt tggaggaagt ggaagcctaa gaatcgcccc 300 cagcatggct tcatccccca agatggccga tgatctggcc tgaaggcctc tcacaaaggg 360 caggagaaga agcttccaga aaggctggga tggaggagga gtcctgcggc cagctgttgc 420 ctgcagcaga ggctgcctgt ggacacttcc ctaccggggc tgaggccatg ctgggagccc 480 ccccagtgac gcagaagcac aaattggagg cttggggcca tgcccagcca ggttggcttc 540 cctggggctg aaaagctggc tgtggtggca ccatggcctt ggccctgcta ctcacccaac 600 atteccatee teccetgata ggeceeteet cettgeetge ceteteteec getgeteagg 660 gccagtcact cccccacat gcagctaccc ctacaacctg gggttccttc tcagggcctc 720 acctggtccc cacatecect ggcetetget cetgeeteec aaagtecatg tttqceteca 780 tragccacac acacgcaggg acgcccgttc cttgccctcc cggacttatc tactcttcac 840 tttcctgatg atccatgggg cccaggccta gagggcatcc gaggggctgg gccttggcca 900 cagectettg gatgatgtee ttgetecace aegeaggeee ttgettetee cateaacgag 960 tettggeeca ggggacactg accetecece agggaggaga gaggagttee tteeettea 1020 acgagggett ccacgccctc taaggggtgg cggggaaggg aggaggetga aaaaatgcag 1080

```
attaaataaa ggtatggaat ggaaggcctg tgcattcctg ggtcatgggt ctaaggcctc
                                                                     1140
cactgcaagc attatgggcc cccatggttc agggcacgat gaggggttct gggaagggac
                                                                     1200
tcaaaattgg gctccagcgt tcccaggaac caaga
                                                                     1235
     <210> 6922
     <211> 591
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (345)...(108)
     <223> similar to gi296127 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6922
atcgagaata tagtccctgt ggtggaattc gtggtgggag ctcagggtct cccagcaccc
                                                                       60
tgccgccctc tgctgggctc tgcctgacac cggcgaggct cagtctggga ggaggtggag
                                                                      120
cccagcgaag tgtagccaag cagggacaag gagagaccgc agcctcgtgg aaaaccggga
                                                                      180
ctggaggcag gaaacaggta gggagggaag ggggtggccg caaactgggg tgggttgggg
                                                                      240
aaggtgcgaa aggacgacgc cccgtagcct aagggcagaa tttcaggggg gtggagggtg
                                                                      300
cagagtgaag gggagggcat tgcagtgcgc gcggtaaggg tttctcatct cacctgagtg
                                                                      360
tggcgttcga ttcactggca gcaggaaaga cggggatcag agaagagtta ccactggcgc
                                                                      420
ccagcttccc tggcctgatc cccagccccc tcccacacct gtccatgctg aagaccgggg
                                                                      480
agagcagaag cctgcgtttc tgaggggagg gtgcctgggg ataagaacaa ggtgggtctg
                                                                      540
ggggtaaggg ggtcaggact tattttcttc ttcgattttt cataggacaa c
                                                                      591
     <210> 6923
     <211> 2940
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (714)...(28)
     <223> similar to gi3881873 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6923
ggtggaattc ggatccccac gccggcagca ccaaggcctc tgggtcagct tctttaaggg
                                                                       60
caagcgccct tagagaagca gcacggaagc aaccaatcaa ctggtttctc caattagccc
                                                                      120
ccaagtggat cagcctgctg aactgtcggc tagggttata ggtggttctg agtccttccg
                                                                      180
gaagetgeeg aatettagaa gtegegeeae tgttgtggeg atggaagaag gegaagetet
```

240

```
acagaaacca ttttggttga gggaagagtg gttttaaagt taatttggaa aggagccggc
                                                                      300
aagcaacctt cagtcggtgt geggttttta cagttgaact gtttccagcc gctaattatg
                                                                      360
attgttttag cggttcgtca tctgaaaact gcattctgca cggcggtggt ggggggagga
                                                                      420
                                                                      480
cgaggatgga gaagcctggg cggacatatt tattagctgc ggtcctaagt cacgtgtgac
attetgtate cagtetateg gttateceaa ggagaaegee etgeeggaat ggeeaatege
                                                                      540
                                                                      600
ettgagatgt cecegeeeta ttegecatet taacataggg geatteeeca cagetgeagg
caccagtgga agcgtcttaa ggggaccatc ttggttgagg gcggaagtga ggactgtgtc
                                                                      660
gegetggagg ageceacaga ttetecegga eccaegtgga ageggeacte aagatgetge
                                                                      720
geegegagge eegeetgege egegagtace tgtacegeaa ggeeegggag gaggegeage
                                                                      780
gctcagccca ggagaggaag gagcggctgc ggcgcgcgct ggaagaaaac cgcctgattc
                                                                      840
                                                                      900
ccactgagtt acgccgagag getetggeet tacaggggte cetggagttt gatgatgetg
gaggtgaagg tgtgaccagc cacgtggatg atgaataccg atgggcagga gtcgaggatc
                                                                      960
ccaaggttat gatcactacc tcccgagacc ccagttcccg cctcaagatg tttgcaaagg
                                                                     1020
agetgaaget ggtgtteeeg ggegeeeage gaatgaaceg aggtegaeat gaagtggggg
                                                                     1080
cactggtgcg agcctgcaaa gccaacggcg tcaccgatct gctggtcgtt cacgagcatc
                                                                     1140
ggggcacacc tgtggggctc atcgtcagcc acctgccctt tggtcctact gcctacttca
                                                                     1200
cgctgtgcaa tgtggtcatg cggcatgaca tcccagacct gggcaccatg tcggaggcca
                                                                     1260
ageceeacet cateacacae ggetteteet eeegeetggg caagegggte tetgacatee
                                                                     1320
tccgatacct atttcccgtg cccaaagatg acagccaccg ggtcatcacc ttcgcaaacc
                                                                     1380
aggacgacta catatcattc cggcaccatg tgtataagaa gacagaccac cgcaacgtgg
                                                                     1440
ageteaetga ggtegggeee egetttgage tgaagetgta catgateegt etgggeaege
                                                                     1500
tggagcagga ggccacagca gacgtggagt ggcgctggca cccttacacc aataccgcac
                                                                     1560
gcaagagagt cttcctgagc accgagtgag cacactcacc actcagtcag gacatggact
                                                                     1620
tggaactcag gatggggetg tcatagacag acccaccagt aggaactgtc acagaatggc
                                                                     1680
ctgctgaact gggatgtgga actgtggcgg gtggagaggt ctgaataaac cgtctgtgtc
                                                                     1740
atggcccege ctgcctctga gtggtcaggc caagtctgca gggcaaagcc catgggatcc
                                                                     1800
ctttgggtgg ggacctgatg gctgtgggac gtgcttgggc ctggagtcag tgtgggggtt
                                                                     1860
aacagagaga gagatttgat gctaacgtcc cctcaagagt gagggtcata tgagctcttc
                                                                     1920
agcaggcaga tgtgggtagc agggccagcc tgtgtcaggg gcagcccacc aagttaactc
                                                                     1980
actgagtgga agccgccagt gtgccaacgc ggaggggaca ggccacaccc agtgctcagc
                                                                     2040
agctgattcc tcatgtaagt ggcatcatgt ggtatttgtt ttgtgtctgg cttatttcta
                                                                     2100
ttaacataat gttctccagg ttcctccatg ttattgcaaa tgataggatt tctttccttg
                                                                     2160
taaaaaataa catgccacat tttcttacca atccgtccac caatagacac ttaggtcgtt
                                                                     2220
ttcatagttt ggcagttgtg gaaatgctgc agtaaacatg ggagtatagc tatcttttga
                                                                     2280
agataatgat ttcatctctt ttttatatgt atacccagaa gtgggattgc tgcatcaaat
                                                                     2340
ggtggttcta tttttaattt tttgaggaac cgccatactg ttttccataa aggctgtact
                                                                     2400
aatttccatt ctcaccaaca gttcactagg gttccctttt ctccacattg ttgccaacat
                                                                     2460
tetttatett gtgtttttta ataacageta teetaacagg tatgaggtga teteteteat
                                                                     2520
tgcggttttg atttgcattt ccctaacggt tggtgatact gagcattttt gcatacaccg
                                                                     2580
ggtcatttgt tctttgttgt tgacttgagt cccttatata gtttggatac tgctgtggcc
                                                                     2640
tgaatgtttg tgtcccccaa aaattcgtat attgaactct catccctaag gtcaacagtt
                                                                     2700
tagggaagcg attaggtcct gaggactctg ccctcttgca tagaattagt gctcttataa
                                                                     2760
aagatgcccg agggagctct tttgcccctc ctgccatgtg aggacacagc tagaagctac
                                                                     2820
catctgtgaa ccaggaagcc cccctcacca gacactgaat ctgctggagc caccatcttg
                                                                     2880
gacttcccag cctccagagc tgtgagaaat aaatgcctgt tgtttaagct aaaaaaaaa
                                                                     2940
```

```
<210> 6924
<211> 1451
<212> DNA
<213> Homo sapiens
<220>
```

<221> misc_feature

<222> (535)...(116) <223> similar to gi552075 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

<400> 6924 tttttttttt ttgaagttca aatgtatcaa attattaaaa atgcagcatt tttcacatga 60 gctttaaaga tgtggaagat ggggtacaat taaaaccatg agagttgtgc agggaacagc 120 cgtagggcct gtttgcacct tcagatattg cctgctccca aaaattcaga cccccagatg 180 cagggcaaga caataagaaa gggtgagtgc aagcaaggag agcctcctgc taagaggctg 240 aggtcccctc tggttccaag gatgggatgt cagccttgac cttccggggt ctgcagtggc 300 cagaggetge etgtegeece tteeteetee eettettggg caetgtggga gettetgggt 360 cctgctggag gctggtcccc tcaggccgct gggttgcagt cctcttagga aggtctctct 420 ttgcccttcg tgtcctggaa ggggccttgc ttggaggcaa agcgtcctcc actctgtcct 480 caggactcag ctgtgtggcc ttggatttct ttttgcqqqa cttqcqccct qcaqqacact 540 ggtgttggag ttggagggtc ctatcctgcc caggggtgac tcccagggtt gcaggqqqat 600 agggtggaga agggtgctgt agcccttgca ggcgtgaagt cctttctgct ctcttagcct 660 attacattag gagtagetta cetttgggtg ccaaeggtee aggateece taaaatqqqa 720 tggggataat tcaggaatca gcctgggttg gcacaggggc ggtattcctt ggagaggcag 780 gactcacaca cacccatcca gatcagtgta gcttctccct taggaagcct ctaggacatc 840 ccccatgtta gagtccacat cagcaaagct gctctgccct tggctacttt cacttgggct 900 acctgccttg ggctacttcc actagctgca actctgggac gcatgggtgg ggagggatgt 960 gacceteagg aacagtgtgg teettggagg gtetagacag accetgagea teaccacece 1020 agttattgtg accccacgtt tccacccatc agcctcctgg ggtctctgcc tgtgtgaaca 1080 gtagggccca acctggaacc agatggtacg gccatgccgg tcctgcaggg agctcatgcc 1140 tggcatgcca tagcagcgca gccaggctcg aaaggcagca aagtcctcct ccccgctctc 1200 tgacccgtag cctttgcccc ctgtgggaca gaggaacagg cagagatcag agggcaggct 1260 caggttggga ggagtgggga gcctggttag acctggcca gacctcagct acacaagctg 1320 atggactgag tcaggggcca cactctccct cctctggtga tgtgacctca gctggtttct 1380 teccaetegg ceatgggttt eccateetgg agtgggatta agaateettg teetggeet 1440 gtgcagtggc c 1451

```
<210> 6925
<211> 2727
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1546)...(1804)
<223> similar to gi288145 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6925

cggacgcgtg ggcggccacc aggacccag ccaggccacg gggacaacag gcagcagcgt 60
cagctgcaca gaggagaaaa agcatagcaa gtcacagcaa ctgaaaaaga ttttcaaga 120
gtatggcact gttggcgtgt cattgcacat tggaatctca ttaatttcct tgggcatatt ttacatggtt gtgtcaagtg gtgtggacat gcctgcaatc ctgctgaaac tcggatttaa 240
```

```
agagtecetg gtacagteaa aaatggeage aggeacaagt acettegtgg tggeetatge
                                                                    300
aatccacaag ctgtttgcgc cagtgagaat cagcattacg ctagtctctg tgcccttgat
                                                                    360
tgtcagatat tttcgaaaag tgggattitt taaacctcca gctgcaaaac cttaatgaac
                                                                    420
tottcagtcg tacacactga aaacctattt cttctaaatt acatgatttg gattggtttt
                                                                    480
agggttttag ggttgtaggg tttcttttgg agaggtaggg ggctaattgc tatgttctca
                                                                    540
tggataaact ttgccagcaa aaatcaggct tttgaacaat tttaattttt tgcctcataa
                                                                    600
attttgtgaa tgctattcat tataqqqctt qtatatataa tctaaaatqt caqcaaqqca
                                                                    660
toggagatgg gttaacatct caaaacaaaa tagcctacaa atgttccttg tgggagactt
                                                                    720
tggcgagggt ctgtgggtaa aagcaccagg gggttaatct tggctcagtt tcctaaaaag
                                                                    780
cattgattaa tttaactggc ttttaaatat ccccttccqc tqatatttqt tqtcaqctqc
                                                                    840
ctacagttta atatgcagcg ttcacaaaac agctgccagt gctacaatta atgaagcaaa
                                                                    900
acttaatatg taatcacaat ctaaattagc atcaatactt tgacattcat tacattggtt
                                                                    960
tgggggaaga aaagtagttc tggtatgttt cattgatccc cagatacctt ccaatctqqa
                                                                   1020
catgatgggg ctgattccag atggtttttc tgaaatttca ttaaggtagg tcagcgtcat
                                                                   1080
ttgtctctgt ttaggtaaaa tataaaaacc ctgcccagta gcagtggcat cgcttggttc
                                                                   1140
ctgatgccca tgttccagag gaattcggat accacaaaca gctaagacaa tctcagcttt
                                                                   1200
tettagacaa tettetatet caaactteag acatteeaga attgteatga tgtttacact
                                                                   1260
gtctgagtta aaaatcctgt tcaagaaaaa aaaagatttt gtatcacttc ttaaaaaqqa
                                                                   1320
atattcatag cacttgtcac aaatagaagg caaccatgag ataatacaag ccaqqqaqaq
                                                                   1380
gettgtatta catgacaggt gtaattagte tgetgageca getttaecea atgaagggea
                                                                   1440
tatgtgttag agagattagc taagagtaga aattcgagca tagaggccag gtgcggtggc
                                                                   1500
tcacgcctgt aatcccagca ctttgggagg ttgaggcagg cgtgtcactt gaggccagga
                                                                   1560
gttcgagacc agcctggcca acatqatqaa accccqtctc tactacaaat acaaaaatta
                                                                   1620
gccgggtgtg gtggcacacg cctgtagtcc cagctactgg ggaggctgag gcagcattgc
                                                                   1680
ttgaacccag gaggtggagg ttgcagtgag ccaagatcac accactgcac tccagcctgg
                                                                   1740
gcgacagagg gagacactgt ctccaaaaga aagaaatccc agcgtagatc caaactgaga
                                                                   1800
cactgagget tegteettat agtagteagg ageaggegat tgaagtaatt etgteetgeg
                                                                   1860
gggttcagca tcatgcacgt tccccctggg ccattctctg atgcagggca cttgctccac
                                                                   1920
actctgggaa cccagattca ccagtctgcc ctgtcacgta gttgaaggag ttgcatttat
                                                                   1980
ctttctggct cctaattcct ttaaaattac atttgttgca gaacctccac aaggctaaat
                                                                   2040
aaaattacat ttgtgaccat cagagaactg aataaaccat taactggcca tcctggtttt
                                                                   2100
gcagagatca ggttgttgac agttcctggt tgacccacag ctacccatgt cagttatctc
                                                                   2160
cactaacata tccaagaatc tttgtaggac aatttctcca cctgcaaqqt ctttcaqqta
                                                                   2220
gaactettet tttaaggeaa ttageeeatt gecaaaaggt tttaetgtet taaagetgte
                                                                   2280
tttctgagat ctaattccaa ggacttctcc acagctaagt gagatgcctc acaccattag
                                                                   2340
gtgatgcttt ggacagaaca gagtattttc atcttgtgtt taaagcaatt ccttggcttc
                                                                   2400
ggctcctcac cactttctat gccagtctcc catttatgtc cctagtaatg cctatgcaaa
                                                                   2460
aaaaaaaaa ggaaaaaaaa gaaacccggg ggggaaaccc tacgggttaa ggqcttaaaa
                                                                   2520
tetecaaett tggttaggag taacaggage gtgetgageg ggeaagcaat aaaacaaate
                                                                   2580
2640
gggtccaaac agaaaataac cggagaagac aaggaggtca aaggatcagg gaactaagca
                                                                   2700
ttatgtgaat tcaccagcaa gatgtac
                                                                   2727
```

```
<210> 6926
<211> 699
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (478)...(247)
<223> similar to gil397275 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6926
ccccaaaaaa taataataat taaaaatcta cttaacctgt aaaccggggt agaggcgcgg
                                                                       60
atttcccage tgaaaccgae tgcctttcae tgcaaaggte tgttacatee cagegetgee
                                                                      120
caccacccaa agttaacacc aaaggagttc aaaactcctc aagagtggcc cacagaaaag
                                                                      180
gcgggggact tcagggcttg ccaagatece aggageegge caateeegat tetgeagaet
                                                                      240
gttaggtccc ccgacttttt tgcacaccta ccctctggtc aaccgaataa tatcccctqq
                                                                      300
ctgtataaga cctccgatct catcccacac ggaaatagtg atgctgcccg ttttatctgc
                                                                      360
tactttgcac gateteactt catggeegte tttggttttg gteacgegte etatetecag
                                                                      420
gacaataaag acgacattta agtttttcag tccgggctta atatctctta taaaaataag
                                                                      480
tgggtcgttg accetattca tattgggaca ggcgcggcta cggctgcgga gacgcgagtg
                                                                      540
ggcagggcgg ggtcaaaget teceaceete eegggacagg ggcgaaggea gaggggegae
                                                                      600
cttgggcagg ggtggcgaga gaaggggcaa gaaagccgtt agtcagggac cgggcaaacc
                                                                      660
agcccggaca gcactgagcc taaaaaaaaga aaaaaaaaa
                                                                      699
```

```
<210> 6927
<211> 1555
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1456)...(1281)
<223> similar to gi4049785 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6927 ggaattctga gaatggatat ttatataatt ttagagtgaa agaagccttt ctttgtgtga 60 cacctatgga aaaaaacaga aagaaaggat ggatggaatt tgactgatta aaaatgctaa 120 actectatat agtaaaaaat aacaaaccaa attgagaaaa caatatatge tacaaaaagt 180 atagatetea aatacatatt aagagettaa acateaetae ttttgggaca tttccatgat 240 ctacaatccc cttctcaacc aagtgtttcc atttcattct ttccttattg aacgttttca 300 ttattgcttg tttaattgcc tgtttatccc tattaaattg gaagtataag aaggcagcaa 360 ccatgtctat tttgcttatt ggtgtatcca taacacctaa cacagtgcta cacaaagcaa 420 atgctgaaaa catacttatt gaatgagtga ataatgaatg aataaatgac attttataat 480 tcaaggagaa tcaaactttc caacagaaaa ttggaccaag aacacaaact ggcaatgcac 540 aataaactaa aataacctac taataataaa tatgaaaaag tgttttaata tactagtaat 600 aaaaaatgca agttaatatg atatattcct ttttatatgt cagaaaggca aacggtataa 660 agaattaaaa ttcccaggga caaaaaggaa gtacagaaat aaacctctta cagagtcaac 720 aggaatgtaa attgattcca cctttctgaa aaaatatttt ggtaatatag ttttcctgca 780 tgcctagtaa ttccacttta gggaaattct cctttaaatg ggtcagaaaa taaaatgagc 840 taagatgtat ttattcatta ttcaaaaagt atatgcaaga aaggatgttt atagcagcat 900 tatttggata agcagaaaaa tgtaaataag cctactttat agggttggtt aaatatggta 960 catcctttca atggaatact gtgtaccagt taagaataag caccatatgt gtatttattg 1020 aaatgtacga gctatattgt tagatgaaaa aggaagttat agaggaatat ttatagtacg 1080 atcccttttt aaaaatatat gtatgcatgt gtgcattaaa gagtctgaaa ggatacttgc 1140 caaagtgtaa aagcatttat ctctgggagg tgagatttgg agcaattata ttttctttt 1200

```
gcatatctgt aacttctaat tttccacaat gagcatgtag tgtctgtaaa atttttcagg 1260 gaataaacaa tgatgttcac aatatatat aaatgaaaaa cacatgttat aaaacagtat 1320 gtatagtatg acacaatatt tgtaaaaaag aaaattatat ataaatatat ctatgtatgt 1380 atatatatgc ataagaaagc tagaaggaca tacactaaaa tgttaatagt agttatgggt 1440 agtgggatta tgggtgatta ttttttcttt ttgcttttct gtgttttcta attttctac 1500 aatgaacatg tattacttgt gtaataaaaa ctaataataa aagttttaaa aaatg 1555
```

```
<210> 6928
<211> 789
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (739)...(451)
<223> similar to gi1771513 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6928 ttttttttt ggtagttaaa acagaaggtt tcaataaaat cgacagtctg ataacataat 60 acccaaaagt ccaagtttcc attgaaaatc attcatcata ccaaqaacca qqaaaatctc 120 atactgaatg aaaataggca gcaagcacac actggcaata aaatgagaga agcqctggga 180 ttgtctgaca aacattttaa agcaagcaag cctgatgaaa atgatttagc gagtaattat 240 gagcacactt gaaataaatg gacaagtaga aagtcttagc aaataaatac aagacttaag 300 ggagaaccaa atgaagtatt agaagtggaa aaatacaacc accaaaataa aaagtctggc 360 acataggete aacageagaa tggatggtge agageaagga aateeateea etgeeaatga 420 aaaagtagaa attacacaat cttagcaggg aaaaaataga ctcgggggaga aagtgaatag 480 aacctcaggc acctgtgaaa ctacctcaaa aggtctcact ttcatgttgt catctatgtc 540 tggaagggga agaggaagag gacaagcctg aaaacataaa gaagtaaatg gctaaaagct 600 teccagagtt ggeaagagae ataaacetat atgettaaga agetgtgagg acceeaaata 660 ggataaaacc caaagaggtc tatggcaaga cacgtgaaaa aataaaatgt tggaaactaa 720 agacaaagaa aatatattga aagcaacaga gaaaggtgac accttaccta gaaaggaaaa 780 acaattccg 789

```
<210> 6929
<211> 1344
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (240)...(88)
<223> similar to gi829149 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6929
actotyttya ccaccytyaa yttoayytot taayocaaay catyccacto actocycacc
                                                                      60
aggcagtgct acgtggagag aggccctaca tgtgtgttga gtgtgggaag tgctttggcc
                                                                      120
ggagttecca ceteetteag cateagegta tecacaetqq agaqaageee tatqtqtqca
                                                                     180
gtgtatgtgg gaaggcette agceagaget cagteettag taaacacagg acaatteaca
                                                                     240
caggtgagaa gccctatgag tgtaatgagt gtggaaaagc ctttagagtg agctcagatc
                                                                     300
ttgctcagca tcacaagata catacaggag agaagcctca cgaatgtctt gaqtgtcgga
                                                                     360
aagcetteae teaactetea cateteatte agcaceageg gateeacaeg ggagaaagge
                                                                     420
catatgtgtg tccgttgtgt gggaaagcct tcaaccatag cactgttctg cggagccacc
                                                                     480
agagggtaca cactggggag aagcctcaca ggtgcaatga gtgtgggaaa accttcagtg
                                                                     540
tgaagaggac actgctgcag caccagagga tccacaccgg ggagaagccc tacacqtgca
                                                                     600
gegagtgtgg gaaggeette agegaceget cagteeteat teaqeaceac aacqtqcaca
                                                                     660
ccggggagaa gccctatgag tgcagtgagt gtgggaagac cttcagccac cgctccacac
                                                                     720
tgatgaatca cgagcggatc cacaccgagg aaaagcccta tgcatgctac gaatgtggga
                                                                     780
aggeettegt teageactea cacetgatee ageaceagaa agtgeacaga aagttgtgae
                                                                     840
ccatggctga cacaagaatc cattetcaca gaaactgcat gtggaaccac aagcaqcctt
                                                                     900
cagcccaaga gaagtctctg ttaactctat aggaagcttt tctttggcga ttcagtgtca
                                                                     960
caaaataact ccagaaagaa gcacttagcg tgctgttcct gtgqaaaaac ttcaqaqact
                                                                    1020
acctgtttta ttttcctcaa catcttgaag ttatgttgga gagtaatcat acaattgtag
                                                                    1080
agaattttgg taaaaaacag ccataattct ttaacattaq tttatttqaa ctaaqqqaat
                                                                    1140
ttaaggcata agaaccatta tcccaataaa atcttacatt ccaaataaag ttcttttct
                                                                    1200
aagaacatta catgcccttc ctaaatatca attaaccata ctaattattg cacttaaaat
                                                                    1260
ttgaaagtcg gactattttt cagtattctc ttaaaagact aaagtattqt atqqataaag
                                                                    1320
tgatataaaa aqataaaaaa aaaa
                                                                    1344
```

```
<210> 6930
<211> 1151
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1152)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (850)...(744)
<223> similar to gi1947086 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6930

ttttttttt ttacaagatg ccacttgcat gatgctgtgg gtgccttttc attgcaatgc 60
ctccatttca gatgtgagaa agttctgggc ctgtagggca tttcaagcct aggtgtgtat 120
gggggaagag gggatagatg ttcatctatg caccagatcc tcagatcccc gaggtgggtt 180
gcggggaagg cccagggac tgatggataa agccacagct tcagtcctgg cagagttcac 240
tgccaggaat ggctgctgac tgcggggcac tgatggtggg cagccagggc cgaggtgcaa 300
acttcttccc acaaggagtt ccaggtgttc agtggcagcc agttcctcag ttaatgggtc 360
```

```
420
acctgctgct gcggccactc tctgttgatg cagtaagccg gttgaggggc gtcaaggggc
tggacaggac accccgcaaa ctttccagcc attcctgctg ttccttctca ctggggcaag
                                                                      480
                                                                      540
tgaggacaaa totocgotot ggggtgacaa tggtgagtoc ggotttocag cgatttocto
ggatgccctt gggcaggtct tcgtaggctt catatccctg ctccttgttc ccaagaaaaa
                                                                      600
cctggccctg ctcgaaggca tccagtgggt tcttgtaata gagcagcctc cgctcatggc
                                                                      660
                                                                      720
aatccagggc gaaccacctt ttcttgaaag gttctttctg ctttggccca gtcttttcca
                                                                      780
tgaagcettg tttgaggtag ttcctggtga ggaatggcac gagetcagac tctgggagtt
caggaaaggc catttttagg tactgcagac gggctgcacg gagggcattg aaccagtcca
                                                                      840
ctatctcctt cccactttca tgatacacaa acaggttcct ggtgtggcca tctctcctgt
                                                                      900
aggtgatctg cagcccatgg gggtgcccta tcttctctgt ctggaaggtg gcattcaagt
                                                                      960
cettaatget gatgacaget ttggggettt taccetgtte etttgtgaag tactteagga
                                                                     1020
ggccttctct tgccagaagt acaaacttcc ttctcagaaa ctgtgagttg tcccttcctc
                                                                     1080
gettecacag gaateettet egggaattee accacatga etatggteta egateteaat
                                                                     1140
                                                                     1151
nnnntcnccc a
```

```
<210> 6931
<211> 1205
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1206)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1037)...(974)
<223> similar to gi1870014 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6931
cctcagtctc ccaagtagca gggattacag gcatgcacca ccatgcctgg ctaccttttg
                                                                      60
tatctttagt agagacaggg cttcaccacg ttggccaggc tggtctcgaa ctcctgacgt
                                                                      120
caagcaatcc cccagcctcg gcctcccaaa gtgctgggat tataggtgtg agccactgca
                                                                      180
cccggcctcc aagccagcat ctttaatctt acagatgcgt gcccctggtt ctctaaaaag
                                                                      240
gcttgaaaag tttagtcttc ctgaagttcc cctacgtccc aagtaggaca cagagagaag
                                                                      300
aacctactcc agaaatggac tggtccagtc acagtcaccc ccactttaat ccgcaggcag
                                                                      360
cctggaacag tctagaggag atttgtataa aaagtagata ccaaggctgg cgtggcagct
                                                                      420
ctgtggcagt ggctgggttg gtgggcacta cagtcaggca ggcagccatg gccactagtg
                                                                      480
teaeggeece agtgagggee cetggetteg etcaeggatg tggteeaaga teaggteggt
                                                                      540
ggctcgatcc agcaacagag gcagcagctc ctgctcagca ggggagaagc agcccagcac
                                                                      600
atgggcctga accgcctcag ggtgcgccgg gcgcccgata cccacccgca gccttggcat
                                                                      660
tgcattggag ttgaggcagc taatgcagga acggactcca ttgtggcccc tggcactgcc
                                                                      720
ecccagette agagecagte tecccagggg ettgtecage teateatgea ecaggtagae
                                                                      780
ttcctcggca gtcagcccaa acagctccgc agcccgggcc acgctgcgcc cgttggcgtt
                                                                      840
cataagcege cgtggccgga gcaggaccag ttgggcatcc cccagegggg ccagggcgag
                                                                      900
gtcggcggca cagtgccggt cgcgcgtcca actctccgcc acacccagcc gccgcgccag
                                                                     960
etgececage acceccate ccacectete tegestees gecagteeg gatteeccag
                                                                     1020
gecagecace atecaceget tecceggggg gegaggntee aaaacacate ggeteatgge
                                                                     1080
```

```
tctactcagc cgctgtccgg cacccaaaaa accgcccggc ctcatgctgc ccccattcgt 1140 acgcgatggg tccccccggg tnttccggng cngttcccag tacatcggga ccccggatnc 1200 acttt 1205
```

```
<210> 6932
<211> 2362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2209)...(486)
<223> similar to gi2842416 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6932 ttttttttt ttacaaaaga gtaaacattt tattatttgt acatgaatca gtttggtctg 60 aggatacaca agcatctggc taactcataa aagtagcctg aagtgattga taggagagtg 120 tttgtagtca tttccatttg ctgccacatc ccttacatta tctacttgct aagcactgag 180 aggcccagaa tggacacatc aaactgtcag gaggaacata tgggacactg gcacctgcaa 240 tggttttttt aaaagcagag aatgcagagc agttcacaga ctccacttca aagccagggg 300 tgtgtgggag gtctcccggg gaagagctct gcacaacagg tttccctggg ggggccagag 360 ggcctctcgg ggaggaacag aaaaaaacca gccaggagtg ctaccgacca gcctcagcca 420 gaatgctgtc agaacaaggc cccaaacatg gcctggcctc agtgatctgg ggatgaacgg 480 tgtcacaagg gaaccacctg aagggtgggc agaggccccc gtggaggagc cacatactct 540 tectetetea geageegeag caggatgttt tttttattet tgggeeaget gtagacatga 600 gtgttctgaa gccaggtggg cacatgctcc ttcttagcat ttgggaagag cacagggatg 660 aatctgaaat tcatgcttcc ttgttttatg aactcaatct gcatcattcg atgaatgtac 720 ttagtatgta agccatgctc atcctcgtcc agctgcgact cagcgccttc cacgtcctgt 780 ttgtatttgg ggctgattgc tacgattatc atcacggtct tatccctaag gtagcgctcc 840 atccatttaa tgatatcaat gcctcggatt ctatcctcaa atatgtcaat tgcagtttgg 900 aagccattta ccaacaaaaa gttcacgaat ttcaccacct ccatagctgt gtccatcgaa 960 taagtgataa agactttccg caattcttct ggcaaattgc ttgtttttag agttcctctg 1020 gctggagggt tgctaggggg tctaggcaca gcagctgggg acggaggctg gggaacctgt 1080 ggtctcagct ctgcagggca ctccaaggac tccccaggag caccagctct attaggtggc 1140 tggtgatgtg gctggtcctg gtgccttgga agccccggaa aggagcagtc tctctgtgcg 1200 ggcctctctt cttggtccca ggggctggga taattcagga taaccttctg cacagggtgc 1260 aggeetetea eactggetee aggeagggge tgeecaggea gageeggetg gateaettge 1320 tggtaggctg ctcgagggta gtcatggcca tatggcacct ggtgatcggg acttccagga 1380 caatggtaat gatagttcca tggagcatgt ggggaaagat tgggaggcag catctgtgca 1440 catgctggat acctctgagg ttcaaactga gggaactccc tggacctgag aggtctgggg 1500 aggtcctggg ggtaacacac ggaggtgagg ggcaggggcc tttccagctg cctgatgccc 1560 aggacatect ggggetggga ateatatece gtgtetatgg ttggeagate caggeetget 1620 cggttcctgt gaggctgggg ccgttgcacc atctcctggc taccgcccaa ggagtctgct 1680 gaggcattag gtaaactttg gtctgatttg tctgagtcat ggccagtgtc aggagaagcc 1740 gctgaaagct gagataccag ccattgatta cgtttttcca taaatgaaaa ctgatgctct 1800 gcagggaggg ctccaaccac agactcagac gcaggctcgc tgactgcaga gcacccagaa 1860 gggaaagett tgeecaggee tgggtgtete etgeagaaae tgtetteaet gteeteeaga 1920 acttgagtgc gcaggcaggt gacctgccgg gatacaggcc gctggtgatt tgcaagtttc 1980 agggttgagt gagcttgaga aaagtctccg gaggaattgt gaagcattgt gggtgcagac 2040

```
aagctgttgg gtgccatgtt ccttatattt ggagcaggtg gttctgattc ctcttccggg 2100 gaatattctg ggattggttt cagcaactga cttgggtatg gttctgattc atcaacctcc 2160 acaggaatgc ttcggttcat tctagtttct tagatccacc acggacagac agactgggcc 2220 cggagggtag tcggctctcg gcggcttctc gtctccctcc accttctccg ggcccaggta 2280 agtagaagaa caggctctga agcaggaagt ggaagctgta tgcaaatttc tacggagcct 2340 aggaagcctc tgctcaaaat ct 2362
```

```
<210> 6933
<211> 1267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1268)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (860)...(637)
<223> similar to gi1054887 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6933 ttttttaaat ttcaaaatgc agaatttatt ttagcaacca attttcctaa cctccccaat 60 gaataataaa ttaaccaacg aaagaggagc aaaaattatt ccatttatta tagaaaattg 120 ttaaacatct ttctataata aatcatgagt aaagtcaaaa gtaaaaactg aatgtataaa 180 caaattggag ctgaaagaca aggagaacaa gatttatagg atgtggtcaa agcaatgaaa 240 cggaagagtt ccctgattcc ccttgcaggg cgtgcgacag ggnggtgtgg ctcacctgtt 300 cagtageece etetgeagaa acceettgeg agagggggag caegeagatg ggcaagtgea 360 gaggccgggg tgagggcttt gggctctggc tctgcggtag cgtctagagg tgggtgcctg 420 caaccccagt gttacaaagc tctttcagct tggccaccac agacagctgg agtgttaacc 480 ageteaatgg acettetget ttttcacaag ggcaaaggae caggggacag etttetgtat 540 tecgagetet tttecagaat ecaggaaaaa tegggteaca caeggaettg aaggatgaat 600 gcgaggtttt attgagtggt ggaaatggct ttcagcagga tggatgggga gctggaaggg 660 tggggatgga tgaagtggga aggtgatctt cccctggagt tgggccgccc aggggctgga 720 ctccgctctg actgccccga gccaaacatc tctcggtgtc cagacgtccc tcctcttctc 780 tetttetetg ctaegtegtt ttgeegteag teggettgee tegtatetee teacetgetg 840 gtatgctctg gaggttgggg tttggggttt atatgggggc aggatagggg gcgtggtggg 900 tcaaaaggca actttttggg ccccaaacag aaacgcctct tctcatttaq qqccqcqqqt 960 atccaggett gagggtgggg cettagecag ggaacegeee tettetaete agtattteeg 1020 tctcctgttc gtgtcagcaa tacacagaag aaaatccatt ccttatctca ctaaatgcag 1080 aaactactgg gagtgaggct gccataaatc tcttctggag aattttactg gccataaaga 1140 agacagagaa gaccgcttgc acctcgcccg cggctccgga agcggctgcg gccccgaccg 1200 gaaagccccc agcatcgccc gaaggaatcg cgactggcat gcggctccgg cccggcctcg 1260 ggtacca 1267

```
<210> 6934
<211> 1135
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1136)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (555)...(1072)
<223> similar to gi5732934 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6934 ttttttttt ttctgggtgc aagaggttta tttgggagcc atcccaggaa gcccaaggcg 60 ggggagtggg gaagagaggg aagggagagc ccccgcagga agtacatgaa tgagtgggtt 120 actgctgcgg gcaactggga ctccatcctg ctgggcatcc tctgagagtt tatgtagaat 180 acactteaga attgteetge teaaggacaa tgaagetgag gteetgetee ttattgaete 240 agggttgctg ctcctgggga cattaacccc ccaacacttc tagcttgccc agtgcactga 300 ctgagcacac agctgtggcc accagagaac ctctttgggc tgtgatacag gaaaccatcg 360 gtgtgcatgg taacteteta geagtgteet teatgeeggg acatggggae aegggeagge 420 actgctggca tctgctaacc ccggaggccc atacttcaga accggtcagc tgggccaagg 480 cetetetaag geceagegge teteatggge aaatgteagg tgacacagag teagagacee 540 tggccaagga ctccccatcc ggagaggtcc cagagggagg ggcgaggtgg cctctggggg 600 gagctgggcg gtggggcagg acttgactca ggacaccacc ctctcctgca gacactgggc 660 caggtgcctg tgccgaagga cccggggcat cgcagggggg aagggggagg agggcaggc 720 agcgagggct gcccggagtg ctcggaaggc tccctgcccc accaggtgga ctctqqcaqq 780 gcccacgctg ccccagaacc gcagggactt gtagcgggga gaggcttcct gaaggcagtg 840 gtccagcttg tctcgatttt cctctgacag attcctcagc cccctcagcg ccacaaacac 900 ctcgtagtgg ggagcagagc ccgcagagga atccagaatg ctgctctcca cacagccatg 960 gtccagcage ttggcccccg cccactgccc cactgcccgg cccagggcct cagagaacag 1020 gtetteacea atatetteee etegeacaet cagggtetgg tecageetge agatgaacet 1080 gacgactgga cactgatgta ggaattccnc gncnctgngc tagtgaacta cqatq 1135

```
<210> 6935
<211> 2204
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2178)...(334)
<223> similar to gi188684 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6935
ttttttttt ttggattcac actggtgtct ttttattgga ttttccgtgg gcaacctggg
                                                                   60
tgcttcgagc tccgctctgg ggcagtggga gctgcccatc ctctcccagc gccttataac
                                                                  120
aactgggtcc tctgctcctg ggctcaggct gctgccttga gataaaccca gttttcccac
                                                                  180
tgccttcttc ttcacttgtg ccaggctgcc cagccagggg catggcccgg gtgtcctggg
                                                                  240
tagcaggcac tagttcagag ccccctggca gcagtacctg cctgttgtag gcccctgtcg
                                                                  300
actccacagt gtacacaaca ccatgggctg gcctacagct tggtgttgag gtggaagaag
                                                                  360
tggggcgctg cataggttgt gactggtggt gcgtgccagg cagatgaggc cgggcaaagt
                                                                  420
ctgtggcgga gggcactgtc gaaggacgtt ggggggaagt gcatcaggcc agcggccatg
                                                                  480
ggcgagggc ctgcggtggc caggaagtgg gccgggaagg ccgggatgac cagggggctg
                                                                  540
aaggggagtg cagcctggcc cttcaagggg cccggggtgc cagtgaagtt cagcgggcag
                                                                  600
tgcagcatgg tgcccctgta ggcctctggg ggcacaggcc ccagggctgg gcccagaagg
                                                                  660
caggagacca ggccggaccc tgcaggtttg gccccacact tcttggcatc cgcctcctta
                                                                  720
agaaagggag acacggcccg cagtctcttc ccactgtggg cagcaccctc ttcctccagg
                                                                  780
ctgcgcttgc tgcccaggcc tgggctactg gggaaggtgg gcgggagcgt ggggctctcg
                                                                  840
gctgggacct tggccatggg ggacacccag caggetttgg gcttggggta gaggatgccc
                                                                  900
tttctggagc cacctttatg gaacgcagaa gggcggttag cgtctccgcc ccacaccagc
                                                                  960
tggggctctt tcactgacag cccctctttg ccaggaggcc ccaatagcac cccatcttta
                                                                 1020
1080
gtgtagaage ageeettgaa gatggggget geegggeagg ggeetgeetg egeeteetet
                                                                 1140
ctgaggctgc cacctggggc ctgcaatccc tcctgagggg tcagccggtg cctggagttc
                                                                 1200
tcagtcagcc ctttggggct ctggggactc tctgggaggt gaacagctgg ggacgcctgg
                                                                 1260
ggctctgccc catggcggca gccctcctcc tggcactgca aggcctccac cttgctcacc
                                                                 1320
tgggccagga gcttcttttt ggccagtggt gacatgatgc cgtgtgtccc cttgcagtag
                                                                 1380
aagctggata ggagccgctt gtaggcctca ggacagccgc tggcacccac aaaggacaca
                                                                 1440
1500
agtggtgctg ggtcagcagc atctgctttg gtctttcctg gcatcatctg gtccatgcgc
                                                                 1560
cgctcctcct tggccttctt cggcctctcg gtggccccat catcccccct gttctcctta
                                                                 1620
gccatcttgt actgtttcct gggcttggag gtgggcagcg gcttgtcatc ctccccttc
                                                                 1680
aggtgccgca cgtatggcag gaccagcctc tagtagtggc ggcgcgtgca cgtggccccg
                                                                 1740
ctggtgctgc ctgggctgcc ccccagctcg ttgtacacgt tcttccagag gcggcgcccg
                                                                 1800
gtcaccagct cataggcccc cagcttctcc actgctttgt agatcttcca caggttaatc
                                                                 1860
tgcttgaagc cgagatgggg cacceteteg atgggcgtgt gtcgctcctt catgaacttg
                                                                 1920
tagaggetga ccaggaagge etgeteetee teeegeteet geteeteete eegeteeeg
                                                                 1980
cctgcctcgg gggagtcctc cagcgagatg gggttctgga ttccgttctg cttgccagca
                                                                 2040
ggtttggggg atgcaggtgg gtctagggcg tcaccctccg tggactgctt cctgttccct
                                                                 2100
ttgacagggg ctgccatggc ccggagaggt ccctcggcaa acgccccgag accctcagcg
                                                                 2160
cgcggctgtc cggaccggct gcgtgggtct gcccggaaat atcg
                                                                 2204
```

```
<210> 6936
<211> 959
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (505)...(834)
<223> similar to gi296594 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6936
ttttttttt ttccaggctc aatattcttt attgataagc attagtgaac cccttgccct
                                                                   60
gggageteag ceagteetge teteagatte etggeettag gtgggagage atetttteet
                                                                  120
                                                                  180
catggatcaa ctgtccatgt ctgactgtgc ctaacttgcc agatcatggg tcagggagac
aggcagcagg tattggaagg tgatggccag gtccttttcc ccagtgacca ctctccatct
                                                                  240
agaagcactc tgcttcagct gcgcaggctc ttccgggggac tctgggagcc tgctggttag
                                                                  300
atggaggagt tgagcctctg acacctccag gttctgcctg ccaagggttc ctccgcagcc
                                                                  360
gggctgagct gagcaggagc aatgggctct cgcttctgtc ctgaggttct tgggtggtga
                                                                  420
gcaagagagc taagggcagg aggtcttacg tggtgcctca taggggatag agatgccaga
                                                                  480
gactgcactg gaagcggggg tctccggggt gggtcttcag cacctgccac acctctgggg
                                                                  540
gaggetecaa geceatetge ttggeeegae accagegetg cageegtgtg ateceggtge
                                                                  600
agggcccgta ctgccaggcc aggtcaaact gcctcagcag ctccagctcc gcttcctcct
                                                                  660
cgtcgcgggg ctggggctcc tcccctagct cgggtgccag ctcccccttg ctgtgcccag
                                                                  720
egggeeette eeteetette acaacegggt aggaateagt gatgageege tteeggeeea
                                                                  780
tggcggccac ccaggcaggc agagaaggag gcaactgcgg ggaagaggag agaccggcca
                                                                  840
900
acaagatgat ccagccgaat tccaccacgc tggtctagat gtcgtcagtg ggtttcaat
                                                                  959
```

```
<210> 6937
<211> 1663
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (513)...(1427)
<223> similar to gi288145 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6937 ctctggccac tgaaaaactt ctcactataa agcatgtatt caaggattac caatgcaaat 60 gggcagcaat taacctggag accccatgcc tatggcagtc tcaagaacgg aactagagat 120 gctatgtttg aaaatcgacg catgattaaa gcgatacttc tggaagcatg cagggcaggc 180 ggcccggcca tgacgcacag actctgtaca gccctgcaga cctcagccac catgctaaca 240 ggcggacact tttaccatgc aatcaagggc acgggatcag ctgctttggg aagacttatt 300 tecacecect ceagtetete aggetggage geagtggegt gateteaact caetgeaace 360 tetgeeteet aggtteaage gattettetg ceteageete etgagtatgt gagactacag 420 gcacgcacca ccacgcccag ctaatgtttg tatttttagc agagatggag tttcaccata 480 ttggccaggc tggtctcgaa ctcccgatct cgtgatctgc ctgcctgggc ctcccaaaga 540 gctgggatta caggcgtgag ccactgcgcc cagccaggaa gactttcttc atggcaaaca 600 gtgggttctt tcaggggaca tttctgtaat gtacaaaaga acctgcaaaa acaaaagcac 660 ctagggagac agaagactgg gaaaggccca tgaagggcag agctctctca gtaatggagg 720 aaactaatag gactgctgct aatggagccc caggtgagcc ctggggattgc aaggccaccq 780 ctggcacagg caaccatgct tgtgtggagg tgcaggcgtg agcccttctg caagggggct 840 etetgecage acceatgeag ggeteagaag ggggeetgge tgtggatett getgggttee 900 agcagcacag aggcccactg gcctctgacg caacatacgc ctggggaagt gtgcaggccc 960 ageggagaea gaaetgeeaa gagtetggae teaeggtagt etteagaete gteeaggate 1020 teggaeetga tgateteete gateaegtee teeagggtga eeaggeeeag gaeetegtag 1080

```
aaggggtege cttcaccete gttgttcace ttctgcacga tggccaggtg ggacttccct
                                                                    1140
gtgggggag gacactcatg gaacagcttg ctgggccccc cccagtttga ttcatctccc
                                                                    1200
ctggtatagg cccaccaaaa ggacacggct aacgttcatg ctcctacaac gtgccaggca
                                                                    1260
cagagecaea etettteta ggtttttaet taagaeteee agegtgatta tgagaaetgg
                                                                    1320
cettatttte acacaggttg aaaatgaage agtgggetea tgeccatetg cacaaggeee
                                                                    1380
cccaggcaga gctggcagag ctgggatcca gctccaggtc cqtgcacctc catgacatgg
                                                                    1440
atgcagttta gacaaggatg cctccctcca gtggagaaca caaatgcctc acacatcagc
                                                                    1500
cagcctgcac atgcaggcta acaagggcac tgactctgga aacacaggct ctcctqcqac
                                                                    1560
agtccacacg gggcagctga gtggggccac ccagcctgac tgtccttggg aggatttcct
                                                                    1620
aagtetttt ettettaaag taaatatata tgetgteeat eet
                                                                    1663
```

```
<210> 6938
<211> 1237
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1238)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1225)...(947)
<223> similar to gi2634208 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters
```

<400> 6938 ttttttttt ttgccaaaga aaacagaagc tctttatgcc aaatcacaag gacagacagg 60 ggaatgtggg ggatggacag gagggagggc ctgggcaggc tgcctgcctt ttqqcacctt 120 gtgcccaggc gagttcccgg acccatccag gagctcttag ttcgttcagt caattccttg 180 acatttgatg tgcctggctc agaactgggt gctggggaca tctaggtgca taaagccagg 240 ttgcattetg acaggagaga gtcaagccaa ccggccagga caggcctgct gctttattca 300 cagatttaga tgtcgttcca tctgctctcg aagtttgaat ttctggatct ttcctgaaat 360 ggtgaggggg tagtttgtga caaacacgat gtacttcgga atcttgaagt gagagatctt 420 ecetttgeag aaagetttta teteeteeae egtggtetee teeeegteet teageegaat 480 gcaggcacaa atctcttccc ccatccgatc gtccttcact cccaccacct gcacttcctg 540 caccttcggg tgtgtgtgaa agaagtcctc gagctctgcg gggtagatgt tctcaccacc 600 ccggatgatc atatecttag ageggeeeae gatettgeag aageeetget catteattgt 660 ggcgacatct cctgtccaat accacttgtc ctgatccact gcttcctctg tcttctgagg 720 ctcaccccag tagcccagca tgacgcagta ccctcggatg cacagctccc cgggcgtgtt 780 cagetttgee agegteeetg cetecatgtt catgateegg geeteegtgt gaggeataat 840 tetgeceacg etttetgeet tetgeteeac agtgteetea gggaagtgeg egaatgteac 900 gggactgttc tctgtggttc cataagcaac ctagagggtc cagaaagggt gtttgaagag 960 ggctcagcac gtgcagaggg atcaggtgag ctatctgagg aaatgggaag gaattcataa 1020 aagaaaaggg aaagtggagg gcagccgaat ggtggaaaca gagacatcat tggtaggggc 1080 ctggggtcag gaggcagagg tgctgggagt gagcagacta gatctctgca gggccacaga 1140 tctgaaagaa aattgagagc agggacacca ttctcttcca gctggagctc tctcgaattc 1200 cncgncnctg cctagggatg tcagctatng ggcgcct 1237

```
<210> 6939
<211> 1830
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (1831)
<223> n = a,t,c or g

<220>
<221> misc_feature
<223> in = a,t,c or g
<220>
<221> misc_feature
<221> misc_feature
<222> (1663) ... (1429)
<223> similar to gi288145 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6939 tttggctgca ttgacatcga aacagcgtgg tggaattccc aaggcgcaag atggcgctgc 60 tttttgcacg ttctttgcgc ttgtgccgct ggggagccaa acgattggga gttgcctcca 120 cagaggccca gagaggcgtc agtttcaaac tggaagaaaa aaccgcccac agcagcctgg 180 cactetteag agatgatacg ggtgteaaat atggettggt gggattggag cecaceaagg 240 tggccttgaa tgtggagcgc ttccgggagt gggcagtggt gctggcagac acagcggtca 300 ccagtggcag acactactgg gaagtgacag tgaagcgctc ccagcagttc cggataggag 360 tggcagatgt ggacatgtcc cgggatagct gcattggtgt tgatgatcgt tcctgggtgt 420 tcacctatgc ccagcgcaag tggtacacca tgttggccaa cgagaaagcc ccagttgagg 480 gtattgggca gccagagaag gtggggctgt tgctggagta tgaggcccag aagctgagcc 540 tggtggatgt gagccaggtc tctgtggttc acacgctaca gacagatttc cggggtccag 600 tggtgcctgc ctttgctctc tgggatgggg agctgctgac ccattcaqqq cttqaqqtqc 660 ccgagggcct ctagtatgtc cattactgga gtccctaatc acgcctttgg ccagcctcct 720 tttgaaagtg tccgaagcct ttttactttg cctcaagcaa cctctagctc ccacaattca 780 gtgttgggtc ctctgtgcaa tatcatgatc atcttcctca tcccctacct tgtgaaagct 840 aggeatacag ccaaaccete etttteecea eccaecaaca etaetgeeaa ttteetagge 900 taccatgggt gtatcttcct tgacctgctt ccttcagtcc ctctgcctcc ctttgcccaq 960 gcctttctca gactgtattc catcctgggg tcttatcatt cagctttgtt tgaatttatt 1020 aatcaccatg atacctetee etecettigt ceacatgtaa etigtietig gggetetace 1080 agatggctga agagtaaatc ctttctacct ctggctgaag gagtggtgca gtcaatgact 1140 tggccctttt tctacagcac atttagagtt tgggctctgg ctccctcagt aagtgcttta 1200 ttaactcagt gtgtcaaaat gaaaacagag ccctccttcc ccagtagctc agtgccacag 1260 accttcagcc ccacacagct gtagctatcc ttaccctgag tccatctacc ttaaatctqt 1320 acctotgaca cocagocagt otgtoataat cattatocca gttataacot tgaccaaagg 1380 ggaagagaga cacttggggg atatctaggg gatgagtgct agaaactatt tatttatttt 1440 tgagacagag teteaetetg teaeceagge tggagtgeag tggeatgate ttggeteaet 1500 gcaaactetg cettttgggt teaagegaet etegtgeete ageeteetga gtagetagga 1560 ttacaggtgt gtgccaccat gcccgtctca tttttatatt tttagtagag atggggtttt 1620 gccatattgg ccaggctggt ctcgaactcc tggcctcatg tgatcagccc accttggcct 1680 cccaaagtgc tgggatttca ggcgtgagcc accacacccg gccaaaactg tttattcttg 1740 agaagtteca tetteattte ttgeeacagt tgggaaettt eeegaggaag ggaagggagg 1800 ccttgagggt tttnggacaa tgttgttttg 1830

```
<210> 6940
<211> 1470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1005)...(450)
<223> similar to gi5668701 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6940 ggccacgttc ccgggtcgac gatttcgtcg ggggatgaga cacaggggag ccgaccagat 60 gagggggacc cagaacggaa ggagagtcag gctgggaaac aaggtaggag aagagggtct 120 gtcaacatgg gggcctccgg agggtgtcag tgggaggagg gggcaacagg acacctgaag 180 gatggaaggg tcaggaggca gacacctgta agaattgctc tcctttactg agcacctccc 240 atgtggctaa gcagcctcct gtcactcaac accctgcgac cccatacatt tactgtcccc 300 aatttacaga tagggaaact gggcccagag ggaccccgag gtcctagaaa ggacagaagc 360 ggtgccatgc cttagctggg gtcagctctg acagtctcta gagtctgtgc tcttgaccac 420 tgtgccatcc tcccccatca ctgggtgtcc ggggtgtgga tggtggtgat gttggaggca 480 gagtecetea geactecaeg cegtageggt egaagttgeg gageageagg cegateteca 540 ggtgcacggt gccaccagca gctgtgtgca ggcgatagcg gtcggcccca ctgtagatgg 600 tgtccccatg cagcagctgc ggcccaccac ccacgaaagc ccgtgccaac tgttctcgcc 660 aactgcccag gggccgccac gtggggcagg ccagctggtg ggtgcccggg ctactgggca 720 catggcaaaa tccatagcct gcaagctggc agcggccaaa gctgtcctgg gaccacact 780 ggaaatggag ccggggccag ccttgaagac ctttggtggc gaagtgcagg tcgatggggt 840 gggaccagta agccatgtcc cctatctgcg gggtgtccac ttgcgtttgg ccctcccgca 900 cgcctgacag gagcttccat gccgcccctg tgtgaatgcc ccacttgcag aagaggctac 960 tttccgagaa accgctggcc cctatgatct gcccgatcac gtgcacctca gccatggccc 1020 ttagcgcact taacggttag gagaggagaa agcggcaacc ggggttgtag ttcatgggct 1080 tgactgcttc ttttctccgc gggcgccgac caggcctggc tcgcgcctct cccaggaccc 1140 gcctggctgc gagatatgta agccgcgata cttccgcgac cgcgctcgtc ttggtttccg 1200 tggttgttgc tggggcaaca gcaggctcct cccctagctt tgtactcgct ctgcgcgcta 1260 ctaattggtg ctagccgtct gcggggggcg gggtgaagct gtgatggaca ttttcctcct 1320 ccgctccatt ttgggaaaat agcgtctctc cagctacggc aaagggttcc gccattttgg 1380 gcgtggctag gaagctgcca tgttgagtgt ggctgaggaa gtttgagtgc agtttctccc 1440 agataccttc tttaccaaaa aagcaaatcc 1470

```
<210> 6941
<211> 880
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (63)...(382)
<223> similar to gil340174 in the genepept database release 114,
```

```
<400> 6941
aageteecac tgatgetete tggaccageg tggtggaatt eggetggeag tgegggeaga
                                                                    60
geceggetga gaggggegge cetggaggag acggaggegg egggtgggee egaggegeaa
                                                                   120
gaggaagatg aggacgaaga agaggcgctg ccgcactccg aggccatgga cgtgttccag
                                                                   180
gagggtctgg ctatggtggt gcaggacccg ctgctctgcg atctgccgat ccaggttact
                                                                   240
ctggaagaag tcaactccca aatagcccta gaatacggcc aggcaatgac ggtccgagtg
                                                                   300
                                                                   360
tgcaagatgg atggagaagt aatgcccgtg gttgtagtgc agagtgccac agtcctggac
ctgaagaagg ccatccagag atacgtgcag ctcaagcagg agcgtgaagg gggcattcag
                                                                   420
cacatcagct ggtcctacgt gtggaggacg taccatctga cctctgcagg agagaaactc
                                                                   480
acggaagaca gaaagaagct ccgagactac ggcatccgga atcgagacga ggtttccttc
                                                                   540
atcaaaaagc tgaggcaaaa gtgagcctcc agacaggaca accctcttca tcactggtgg
                                                                   600
ctgagctttt tcccagcagg aatgggtcct cgaatcatcg tgcctctttc acagaaagga
                                                                   660
                                                                   720
cgttgtggtg gcctcacccc aggcatgccc aacaggaact gtcagcataa acctgggggc
cctcaggact aggacagggt gagccaqtqc tccctcttt catqtacttq qcctqaqact
                                                                   780
gacetetece taggtecaaa tgeeetagte acatggeaga eecaeggeet ggeeeaetgt
                                                                   840
880
```

```
<210> 6942
<211> 2034
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (283)...(952)
<223> similar to gi2078483 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6942
agcccactat gcttggatcc tatacagcgg gcgcttgggc gcacttgccg ggtcaccttg
                                                                      60
teceggagga gaaatggett eeetgaggea agtgtaacet acatteeeag eeeaceagee
                                                                     120
tgacgcccag ccagggagag agtaccatgg atggcatcat tgaacagaag agcatgctgg
                                                                     180
tgcacagtaa aatcagtgat gctggcaaga ggaatggttt aattaacacc agaaacttga
                                                                     240
tggccgagag cagagatggt ctggtgtctg tttacccagc gccccagtac cagagccacc
                                                                     300
gggtggggc cagcacagtg ccggccagcc tggacagcag caggagtgag ccgatqcaqc
                                                                     360
agetgetgga ceceaacace etgeageagt cagtggagte ecqetaceqq cecaacatea
                                                                     420
tectetatte agaggegtg etgegeteet ggggggaegg tgtggeegee gaetgetgeg
                                                                     480
agaccacctt catcgaggac cggtcgccca ccaaagacag cctcgagtac ccggatgqqa
                                                                     540
agttcattga cctctcagct gatgacataa aaatccacac cctgtcctac gatgtggagg
                                                                     600
aggaggagga gttccaggag ctggagagcg actactcaag cgacacagag agtgaggaca
                                                                     660
attteeteat gatgeeeeeg egggaeeaee tgggeeteag tgtettetee atgetetget
                                                                     720
gcttctggcc tctgggcatc gcagccttct acttgtccca tgagaccaac aaagccgtgg
                                                                     780
ccaaggggga cttgcaccag gccagcacca gctcccggcg ggccctattc ctggcagtgc
                                                                     840
tgtccatcac cattgggact ggcgtctatg tgggcgtggc cgtggccctc atcgcctacc
                                                                     900
tctccaagaa caaccacctg tgagcttcct gcgaatggag ggggagcacc cggggccagg
                                                                     960
```

```
tetgtgtgga egtggaggaa geaggeatae egcatgatge tgtacagtae aaatgattge
                                                                     1020
caaatgatgc cacgaagccc tgggatttcc tacccatgga tttattttgt ttttatcctt
                                                                     1080
taatttcatg ttcacagcac tgtgtagagc accagacaga cgggcactgc taatccttcc
                                                                     1140
aaaggaaagc tccaaagatc ccagcccgca aggctgtctc tggatggatt ctggtggatg
                                                                     1200
aatggcaacg cggctctctg cagcctgcca gtgcccagag tgccaccgca ttagcaatat
                                                                     1260
acaaacagtc caaaaaagtg tttattttt atggaatacg gtgcaatagg cagaggacaa
                                                                     1320
gggacacatc actititit ctgtgggccc tgctggagtc ctttgtgccc cccggagtcc
                                                                     1380
acacgccttc cctgcaagac gagaatgggg ctgggaagaa agaggcaaca ccacggctgg
                                                                     1440
caggagecee getgeactge tetgeagace cattggeetg accetgagaa geagagecag
                                                                     1500
caaagcccgg gacctgcccc tctttctttc ccttcacacc accccagcct caqqatqtca
                                                                     1560
agecacetee ggaacgtgte tacaeteeae agetaeeeeg cageaataeg caetettggg
                                                                     1620
acctcgctga tctaggatgg ggaggcaggc caccgccct cccaagactc ctcaagaaag
                                                                     1680
agccccgcgg ttgctccgga aactcgaggc actgcagcta tgggcactgc ctcagcctaa
                                                                     1740
agacacaggg gcgcctccca atcaccgcgc tggcggatgc tcaccccgtc ataagcagaa
                                                                     1800
actagtgatc ctggaaatga gatgggcctt actctgtcga ctaaatgaat agctattttc
                                                                     1860
ttgtcatttt ttaaagtgca actcttgctt catgctgctt aagttaccag atgaatgctg
                                                                     1920
agaaataagt aatcacagac attttaatac catttcattg ctgttttacg agtgttcatt
                                                                     1980
acttaacaaa aaattatctt ttagcttttt cgcttaagac ttttctttct qatq
                                                                     2034
```

```
<210> 6943
<211> 1755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1209)...(588)
<223> similar to gi1205993 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6943
ttttttttt ttattggact gtaggttttt attaaaacaa acatttctca tagctctaag
                                                                       60
caaagcatta gaattcatca agcggactca catcttttct ctgcacagag agggctgaaa
                                                                      120
agggagagaa agtcccttat gtatgtctag atttggtaaa gcgaaggatt tcagcgaatg
                                                                      180
agtcactgag gctatacacg tttgcaaatt gtaaggcact ggcgggcaga gagcacagat
                                                                      240
aaaggacttc tggggtcccc catcctgtcc agcaacctcc cagctcacac cttagcttct
                                                                      300
accaagaagg gtgaacacag catccctgct atcttcactc agaccccaga agacacagga
                                                                      360
aaccgcacag ctccactccc accataactt attaggagat aagtcacatt ttatcaactt
                                                                      420
gccatcgcgc ctcctataga ttatacttcg gtaaacccaa tctgtataaa ttcctttgta
                                                                      480
ctttgtgcac tttaaatgcc acgattgtga atcacacaag cattgcccaa tttgttgaaa
                                                                      540
gcatttttac tggaacctca aaggcccacc atgtggggag caattatttt ttaataccca
                                                                      600
ctgggcagga cacgccggtg cccccaaggc cgcagtagcc attggggttc ttgctcaggt
                                                                      660
actgctggtg gtagtcttcc gcatagtaga aagtctgtcc ctcccggatg tcggtagtga
                                                                      720
tggggccgaa gccgtgctct gaaagaacct tttggtagtt ctctttggag ctcagggctg
                                                                      780
cctccatttg cttggcagag gtcgggtaga tggccgagcg gtactgagtg ccatggtcgt
                                                                      840
teccetggeg catacettgg gtegggtegt gattetecca gaagacettg ageagtteet
                                                                      900
caaaactcat gtgttctggc tggtacacca ctcggacgac ttctgcatgg ccagttttt
                                                                      960
ctgagcagac ttctttataa gtaggatttg aagtatagcc tcctgcaaaa ccaacttgag
                                                                     1020
ttgaatacac tcctttcaag acccagaatt tcctttcagc tccccagaaa catcccattc
                                                                     1080
caaatacagc catctgtgtt ccctctggga aaggttcgac tgttctgttg ccattgacat
                                                                     1140
```

```
gatgtttgga tttcttgttt gcccttcaag cgaagtctgg tgtcttcagc ttgcctttct
                                                                    1200
ggtcttcagt gttgtcacta attggttctg aacacattcc gaaggatgtc tttctgattt
                                                                    1260
gatttgaaag caggtttgta ttgatgaaca aactttattt tgtagaaaat taatattccc
                                                                    1320
totaattaga aatttgcctt gccatcttct atattaatcc tgtctctcat qqtataatca
                                                                    1380
tacatgcaaa aaaatcaaat atagtatttc ccaaatgcat ggacactatg gaagcttcgt
                                                                    1440
tttgaaaaag gcttttattt cccttaatac tggtgactaa acgtcattgt atgtaccaac
                                                                    1500
actttcaaat agcccaagag acttaaaaaq ccttctaaqt ttgaaaacca aaaaqttctq
                                                                    1560
agtttttctg taccccagga cggttttctt tcctgaagct caagccgaga aagcagacaa
                                                                    1620
aagaagetga tttgactgag etgtgecaag tettgeettt ttttetttee teagetetee
                                                                    1680
ctetgeetet eteteteet etttetetet eteactettt tgeteecagt atggeeeteg
                                                                    1740
tgccaagaat ggcgt
                                                                    1755
```

```
<210> 6944
<211> 1044
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1045)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (172)...(85)
<223> similar to gil216162 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6944 60 cetgtgccct agagecaggt tacagggete accegtagat teagtetggt etetececat 120 catgcctctc acttccagtc tgggcttcta ataggagggc cccgacttct tccctcccag 180 tcattctctc gaatggagaa tctttcctca ttccagggac accaaggctc aggaaggggc 240 ctatccatca tcagtagagc cagacaagct ctcccatcgg acgtcctgtg gctgggccca 300 gaaatgggtg ccgctgcctg tgggactgcc cttccgggag gaccagggtg tcttcagtgc 360 tettggeetg caegtggagg agagtaggea gatgtetggt getetttaag etcaaaggea 420 tcatggccct ctcggaagca gcgggcacag aagaggtccc catcgcagcc agcgcagcgt 480 agggtggcat ceteattgca gatgcagcac caggggaget cetetteete ageetcagge 540 ctggggtcca catcctgggc ctcaggctct gccccgcggg gttgcgtcca gggtcgagaa 600 gcctgctctg cagggatgtt aaagccactt gcctcatcca gggcagcttc ttcagtgagc 660 tgcggacagg gtgaagatgt actactcccc tgcttcaggc ccaggccctc catctcccaq 720 tatttctgtg cactgtggac ttagcttctc aaactcatct ttttctttac ttgtggcctg 780 tggctgctga ttccctatct ccagggacca gtgggcaggt ctgggtctgg gtcacaggag 840 ggggcccaaa gagaacagga gcttcacagt tactgtccac ccagccccaq aqtaqaqqtq 900 gggcaatgag gtggagacgg gacaaggggt ggcaggtggg taatccaggc ccacctgctg 960 caggactett tggatggetg teteeteate etegtegtea teaetgtetg gnagnegnaa 1020 gtccncgcga tgcctcagtc tcat 1044

```
<210> 6945
<211> 1912
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1392)...(992)
<223> similar to gi5912092 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6945 ttttttttt ttttagcctt gaaatgtttt taatagaatt ggtctagtaa tcgttcagga 60 ttteggtgat gggeeeteee tgtetggaea etgeeaacee acagetggag gggeaettaa 120 ggcacgtcat tttgtgatta gaattacacg aaatttgatt aatattatag ctgcaaaatt 180 aacatacaca attttcactc ataatttaaa atattttgat gaaattcttt gctttcacaa 240 tagaagatca atggtacaca gtatattgaa ctctgtaaca aaattatttt tgagaaaata 300 cagaagtgag aaatagtgat ttcctcaatt tgtttatagt ctatcacaaa qtaqqccaaa 360 gttcagtatt aaatagatat cctaataaaa gtttttacaa gttttcctaa ggaaatacat 420 tcataagact gtttaccttc tgtttgacag cagtgacagg aacgtgggga tccccactca 480 tgacgagtcc ctagcactca gcccctggca cccacagccc cggcgcgctc cgtcacctgg 540 tagggagcag cetgggetge egtgagtgag gtgtteteae tetggtteeg tgtttgtgtt 600 tagectgtge aattetegte aacacagaae acetgeetge ceacecegg tgetgaagae 660 cgaccagtca aggaggtgtt ggtgggagtg ttgtgttcac catgtggaga tcaggcggcg 720 attaccgcat cttctttgct gactttggta accgggtgtc cagggaggag cgatcgggag 780 tggccaagca gttgcctgga ctcagcttct gactctgcag ctgggagtca gatgcaggcc 840 caagggtcca ggggagttgt tcagcgcctg gaatcgccat gcattgcgcg gtggaccgca 900 cgacgetect getetgttet eccaggeaca gacaggeact tggaaggeag etttgeteet 960 ctggccaccc ggaaacctcc cagcagttca gatgggacaa actgggggcc tgtcagaaca 1020 gccacttgtg ccgggaaggc caggccccgg cctgctccga tgaacgtcag gacggtggct 1080 gcagcaggga accagggctg gccttggatc tgtccagtag ggtcactgac tgggcagggc 1140 ttgctgcata gaggatggct gcattttgtg ctcagagttg gttgaaatqg ctacqaaqtq 1200 tggagaataa ccactgaatc ccaaaaagtc actgcgcttg atctgatcca agtaacagtg 1260 actgcagtta gggtcgagag cttctccgaa gcagcggtca tgcaggcttt tgtgtggctg 1320 acgetteeet tttteacaac agtaaaaage tateaatggg aaattgtgga etttteecac 1380 cagggactca atggggactc aatgtgcaat attcagtcaa cataaaactc tttaagaact 1440 cctcctgact ggtgactgtc aacacttgat ctgaaacgtg aatagtttaa ttttcctgag 1500 caaggagctg cgagtctagc tttagaaaag cccctaggag tqtccacctc caccacttcc 1560 acceptgcage cagetttcag gtgggttgga ccctgtggga cttqccqtct qaqqqatqqa 1620 tggactecga geaccetece eggeteagea ceegeggeet eegeceacte aatggactgt 1680 gcctcccaga gcttgggctg gatggtctcc ctgcagagga ccaggagctc tgtccaaggc 1740 ctegecetgg gaegetggaa ggggtgggaa gggteagggg teeggggtet aggaeagget 1800 caggggtete ageaggttet cettggaggg cetgageetg gtaggggge ggtgeeetgg 1860 gcccctccat gccccctggt ttgttaaggg ggacagagca gctgctacga aa 1912

<210> 6946 <211> 1026 <212> DNA

```
<221> misc feature
     <222> (887)...(254)
     <223> similar to gi3342737 in the genepept database release 114.
       Run with FASTXY 3.3t00, default parameters
     <400> 6946
ttttttttt ttgagaaaca tcagggactt taatcacatc ccgcagctct gggaacctgc
                                                                       60
ccaggegetg atgetgegea cageceaece ceatteeete eeteeegeee teetggeeet
                                                                      120
ggccagctca gctctgtccg gggtcggaga gggggtcctg aggcagcagc agcccagctc
                                                                      180
cagagtgaca ggcaggggct gtccagctga gtctccgccc ccacgttgcc ctggggcagg
                                                                      240
cccagctgct gtcagtgctg cttgagacac taagcagcat cttccaagga caggttggcc
                                                                      300
aagtgtgggg gctccaaaca ccttaaggct ggcaatacca ggaaggccgg ggcggctctg
                                                                      360
tgtgtcccag gccaggagaa ggcagaggag cgtggtctca tgctcgtgtc ctgtttgtgc
                                                                      420
cagttattta tgtagttcag gaggccctgg acagctgact tccactgcgc cgaggactcg
                                                                      480
cagttatage caaagcagge gacgtgegag tetgtgeagt tgttgeagga gatggteteg
                                                                      540
tactggaaga tgccacagcg gtgctgacag tcgatgcggc tttcgatgat ggcgttctgg
                                                                      600
atgaggtgca cetgeteceg gaagatgttt egeagetegt tggggaaata eeeggggaag
                                                                      660
tacatcttcc cctggtacag ctgatccatc atctggtaca ctgctgtcgc cacttggtcc
                                                                      720
agettetece gggtgatett ggeggggatg geeaggtgea geteetteat egtgtegteg
                                                                      780
ctccagtcgg tgagcagcgc ccctgacacg gggatgtcgc ccacccacca ggacttgaag
                                                                      840
ttcacatggt ggcggtagaa ggagaacttc ttggagaagt tgctgtggca gtgcagacag
                                                                      900
ccgtgggcca gcgccgccgt caggcacacc aggcacagca gcagggccat gcccgtcccg
                                                                      960
gecegeegee ggecaaccaa egaegetget egegecacae cettaattee accaegetgg
                                                                     1020
gtagat
                                                                     1026
     <210> 6947
     <211> 951
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (1)...(952)
     <223> n = a,t,c or g
     <220>
     <221> misc feature
     <222> (708) . . . (387)
     <223> similar to gi3879776 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 6947
ttttttttt ttatgactcc atttttctct tatatttcat ttcagtgtgg aaggctcttt
                                                                       60
agaaacacta ttaacataac agcattatgt caaaaagcgc caataacatt ctcaccaact
                                                                      120
```

<213> Homo sapiens

<220>

```
tttcttttta aaggaattag gtatagctag actgtaaaaa ggcaagtggt gtgaagccca
                                                                      180
aacctaagat cctaagatct aggatgagtc aagacttcat aqtctacatg agtagaggca
                                                                      240
gcatctagag gaaaacaaaa gtatgtggct atcaaattcc aaagaagccc cattttatta
                                                                      300
cagagaaaat acaaagccgt ttcctcacag ggaaaagtac agtttccctt ctccagggtg
                                                                      360
acagatgage etttteegaa gtteteaget ttetetteta tegaaaette eeatgteggt
                                                                      420
taaagtgttt gtagagatag cggatgcgtt tattaaggtt gtgcaggtca tcagcgaaca
                                                                      480
ttctacttcc aaccattttc ctctttcgga tacaacgttg caattcattc cctttccaac
                                                                      540
ctcgaagcca tatgggcccc ctgatcagtt ctttggggtg cttttcaaag tttcccaqqa
                                                                      600
tecegatgtt gteatacact cegaacatgg ceettttete gttecaacga teaaceaett
                                                                      660
tggggggggg gagagtgagc cttataccga tcaatctagg cacaccaaga gagaagcttc
                                                                      720
tgcacgccag aggcacccag tcccacaggc gcctacctgc cccggataag aggttccctq
                                                                      780
ccatttetet agteteecce etteaacage acaccaaata ageecaagaa gatgacagga
                                                                      840
acceptecces ccaactteac acgastacta aggesaagae agceatetts gecettacce
                                                                      900
aggaatteca ecacaetgae atagacateg aaanteaaan nnnneeete g
                                                                      951
```

```
<210> 6948
<211> 1222
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (538)...(848)
<223> similar to gil679850 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6948 ttttttttc agcccaaact catgttctca actttattcc ccatcccagt ggtggctctt 60 ctgtacagtg gagaaagaag ggggacccca ccagggctat ggagagacag tagaggcagg 120 actgaaccgt cagcaaagat taaaaggatg acctgaggct ggcaaccaca aaaccaagaa 180 gccagcgggg gctgcccctt ccaagtctca ccaatgaccc agagcaggtt ccagagccca 240 aaggcccaaa agtgcaattc ccaaaagcca aggtctggga gccatcaagg agctcccaga 300 gatecagega egeteagagg geaagggtgt etttgatgag eetgegeatg gtggtggtga 360 ctgaggtgcc cagggcatca gtgatctgga aggagatctt gtacaggtag ggctgcacgt 420 cccgcaagcc tgtgtcaaac acgttatcca cctccgactg tgtgggcatc ttgggcaagt 480 actcatgccg attcatcacc tccacgatgt tgatgatctt ctcgcagagt ttctcaccca 540 ccttctcccg gcagatctgc cgctcctgct ccgtggccag ggctaccaca tgcaccttga 600 ccgtccacac ttcccatggg atgcactcgt ctgagaatgg ccagcgagac ttcttcttct 660 ggtagaactc caaggacatc tgccccagcc catcgccacc agagttgcgc agtgcatcct 720 tgaactecce aacaacettg egcagggeac gatecagtte etcagaagag acacqeacat 780 aagtgaagtc gatgaagtca cagtcaacat cctgggtgcc cacggtgcca atggagtagg 840 tgccctcctt cttgtagtgg aacttgcctg tgctgcggtg cagaagcacc gtgtgcagca 900 cagccagcat ggcctcctcc acctgccgcc cctccaccga cacctccagc acctccgagc 960 gacagttcat cctgcaccca gtaacccaca ccaaggtgtg gaactaggat aaagacaggg 1020 gatcttcacc ctacccaagg gccacccttg agtgtagagt ttggagcacg gattcctcaa 1080 gctcggctca tgcccttcct cctcctcctc acgccctggt gcgacctccg caggtacgct 1140 tcaacctccg cacggcgctg agccacaaga gaccagctcc cccaaccaca qtccacgacc 1200 agceteteag atgecaceae te 1222

```
<210> 6949
<211> 1858
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (234)...(1825)
<223> similar to gi514388 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6949 ggaactccct gtattgagga agaaattaga ctagttggct tcaaagatct aggggaatga 60 catagaccgc atttatgttg catacatacc actacattct attcccatgc tcatggcagg 120 ccttactaat caatcataga actttatccc tgtgagacca tcatatata aaggcagcca 180 gcaccaccca tgtgtgtgca agaggaaata tatttgccat tcccaatact agatgtttag 240 agtgttaggc tactgccact ccaagcagcc ttgaatgcca gaattaatcc catctgtctt 300 tgtgtcctct gccagccact accagtggtt taacacccaa cagcatgatc cccgaaaagg 360 ageggeagaa categeagag eggetgttga gggteatgtg tgeegaeetg ggtgeaetga 420 gcgtggtcag cgggaaggag ttcctgaagt tggcccagac cttagtagac agtggtgccc 480 getatgggge etteteggte actgaaatee tgggcaactt caacacgetg gegetgaage 540 acctgccacg catgtacaac caggtgaagg tgaaagtgac ctgtgccttg ggcagcaatg 600 cctgcctagg catcggtgtc acctgccact cccagagtgt tggccctgac tcctgctaca 660 tectcacage ctaccaggee gagggeaace acatcaagag ctatgtgett ggtgtgaagg 720 gtgcggacat tcgcgacagc ggtgaccttg tgcaccactg ggtgcagaac gtgctgtcgg 780 agttcgtgat gtcggagatc aggacagtgt acgtgacgga ttgccgggtg agcacgtccg 840 ccttctccaa ggccggcatg tgccttcgct gctcagcctg tgccttgaac tcggtggtgc 900 agagcgtgct gagcaagcgg acactgcagg cccgcagcat gcacgaggtc atcgagctgc 960 tcaacgtgtg cgaggacctg gcgggctcca cgggcctggc caaggagacc ttcgggtcgc 1020 tggaggagac gtctccacca ccctgctgga actcggtgac ggactcactg ttgctggtgc 1080 atgagegeta tgageagate tgegagttet acageeggge caagaagatg aaceteatee 1140 agagecteaa caageacetg eteageaace tggeggeeat cetgaegeeg gtgaageagg 1200 cagtcatcga gctgagcaac gagagccagc ccacctgca gctggtgctg cccacctacg 1260 tcaggctgga gaagctgttc acggccaagg ccaacgacgc aggcactgtc agcaagctct 1320 gccacctctt cctggaggcg ctcaaggaga acttcaaggt gcacccggcc cacaaggtgg 1380 ccatgatect ggaccegcag cagaagetge ggeetgtgee accetaceag caegaggaga 1440 tcatcggcaa ggtctgtgag ctcatcaacg aggtgaagga gtcctgggcc gaggaggccg 1500 acttcgagcc cgctgccaag aagccccgct ctgctgccgt cgagaacccc gcagctcagg 1560 aagatgatcg gctaggcaaa aatgaagtgt acgattacct gcaggagccc ctcttccagg 1620 ctacccctga tctcttccag tactggtcgt gcgttaccca aaagcacaca aaactcgcca 1680 agctcgcctt ctggctcctg gcggttccgg ccgtgggcgc cagaagcggg tgtgtaaata 1740 tgtgtgaaca agcgcttcta atcaaacgga ggcggctgct cagtccagaa gatatgaata 1800 aactcatgtt tctgaaatcc aacatgcttt aagacttgac ttcgggggaa aaaaaaaa 1858

```
<210> 6950
<211> 2578
```

<212> DNA

<213> Homo sapiens

```
<220>
<221> misc_feature
<222> (1016)...(1128)
<223> similar to gi299471 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 6950
tttttttata ttcatacata tttattcaca caccacaca atataatttc atgtacattg
                                                                       60
tttgaatgtc ccaaactttg gagtttaaac atatatacac ataaqtttat tttctcaaqt
                                                                      120
cttactttgc atgtagaaaa ttttattctt gattgatcga gtaaggagaa agtgtttatc
                                                                      180
tgggcataga gaaaagggac agatagcaaa agggaatatg atgatactat aacattactt
                                                                      240
tcactaattg tcttcaacct cattttgatt ttacagattt ggcctctgag tgattttgga
                                                                      300
tttttacgtg ccagccctaa tggccacaga ttttctgatg attagtaaqc atttattctt
                                                                      360
ttgacttgat tattgtctcc ttttcatgtg aatttattac tcccgttgaa accgtgtact
                                                                      420
taccaataaa ctatttgcta ttcagtttta gttgttttta attgttaaat gtaaagaata
                                                                      480
ttcaacacac attctgccaa gttctgttag ttcaaaatat atggataaaa atgtaaccca
                                                                      540
aaaaagtcat ctaaatttta tgatacaaaa atattgtggg agggggaacc tggatgacta
                                                                      600
cctcactttt gaattcttgt tcttataggt ataatgaaac taatctattc ttcttaaata
                                                                      660
tacctcatac tttagcagct acatttacaa gtcagagtag taattattcg tatttataag
                                                                      720
ttcaacctga caatgccagg tttgataaaa agctgctagt ctacatgctc agcccactca
                                                                      780
tttgaaatta agtaaaaatg tttctaaagg atcccttaaa gttctttaaa tgagttctga
                                                                      840
cttttactgt acacaaaata ttaaatacat agaaaaatgc atctttaagg gcatatgcca
                                                                      900
tetgtagttg getatagtea ataataettt ataaaagtte attteageat ageageagtg
                                                                      960
caatggccct gtcttcataa atacaggcat taatactata tcttttttta tttatttat
                                                                     1020
tttatttttt tttgagacag agtcttgctc tctgtagccc gaggctgcta ggcagtggca
                                                                     1080
caacctcggc tcactctgcc tcctgggttc aagtgattct cgtgccccag gagacggagg
                                                                    1140
ttacagcgac ccgagatcat ggcactgcac tccagccggc gcggacagag tgagactctg
                                                                     1200
tettagaaaa aagaaateaa aattaaaage tteeatttee ttaaattaea tttaaatttg
                                                                    1260
aagatggcag tgtttacaag ctttggaaat acggaccaag attggaggca acactttcta
                                                                    1320
cagttgccac tttgtcttta ttaactttga aataacctta tgaatatcca taaccagcct
                                                                     1380
tccttatgga agaactggcc tcacattatt cacaaagatt ttaggtgtac aacagcccca
                                                                     1440
taactttagc aactagaaac gttatcggtt agaccagaaa cttagtaact ataaaggaat
                                                                    1500
atgatgatac tgttacccac tgaaaagagg agacatgctc atattaagaa aattcttatt
                                                                    1560
ttgtgtcatg gaaaaaaatg acataataaa gttctcagat gggaattcac caaatataat
                                                                    1620
caaatctatt tttgtgacaa cttgtaaata taaattataa atacaaataa ataattatat
                                                                    1680
tcattctcta ttaatctgag gtggtctctg cttgataatt gtatattttc tttgcaaata
                                                                    1740
atcgggctga caaataatcc atttccttga atgaacaaag ctcaacggct tctcatcatg
                                                                    1800
tctcaatacc acagttaaag catttcaagt tgtgaacaat tttagttata atgaaggagt
                                                                    1860
tctataatta gtgaacatgt atcacaagaa atcaggctaa cttcttccgc ttcatccttg
                                                                    1920
gaaacactgt attttccacc acatctgcaa ctcagataaa aagagtgatc acttaggctc
                                                                    1980
ctgatcgtgg aaattttaag tgtgtcattt tcctgggaag ttgaaatgct tgtgcccttt
                                                                    2040
gacttaaaga atctctgatc cattggtcat tccattttac tgtctctgag aagtaacttc
                                                                    2100
attecaagae atttetteaa gatataettg ageatetaet ggteetaeat ttettagate
                                                                    2160
atcttcacac cgctgcaggt catactctct ttttgtctct tcatttccta gaattttcca
                                                                    2220
tgcttgatca atttcgatga acttctgtac acattcctcc actgttcctg ctggtacatc
                                                                    2280
tgtactttgt ttatctggat gatactcaaa tcttcagagg gaggactcca gaatctctgt
                                                                    2340
ttcaccaagc tctccaagca actgttacgc gtgctaaaat ttgagaagca cactgtttgc
                                                                    2400
cttgactgct taaaacaagg aattcatggg caagtcagaa gatgagtgct tcacaaaaat
                                                                    2460
tttcctgtga cagatgcgtc cttccaagta tgtacaccaa aaagaggggg aaaaaatcca
                                                                    2520
ataaccatta atatgagttt ttgatatttt tgttttaggt ctgatatatt tgcagatg
                                                                    2578
```

```
<210> 6951
     <211> 1040
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (34)...(279)
     <223> similar to gi511857 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6951
gcatggaatt cggcacgagg agctgtgtca ccactgtggg tccctggttg tttcctcacc
                                                                       60
ctgtccgtga cgtggattgg tgctgcaccc ctcatcctgt ctcggattgt gggaggctgg
                                                                      120
gagtgcgaga agcattccca accetggcag gtgcttgtgg cctctcgtgg cagggcagtc
                                                                      180
tgeggeggtg ttetggtgea ceceeagtgg gteeteacag etgeecaetg cateaggaag
                                                                      240
tgagtagggg cctggggtct ggggagcagg tgtctgtgtc ccagaggaat aacaqctqqq
                                                                      300
cattttcccc aggataacct ctaaggccag ccttgggact gggggagaga gggaaagttc
                                                                      360
tggttcaggt cacatgggga ggcagggttg gggctggacc accetececa tqqetqcetq
                                                                      420
ggtctccatc tgtgtccctc tatgtctctt tgtgtcgctt tcattatgtc tcttggtaac
                                                                      480
tggcttcggt tgtgtctctc cgtgtgacta ttttgttctc tctctccctc tcttctctgt
                                                                      540
cttcagtctc catatctccc cctctctctq tccttctctq qtccctctct aqccaqtqtq
                                                                      600
teteacectg tatetetetg ceaggetetg teteteggte tetgteteac etgtgeette
                                                                      660
tccctactga acacacgcac gggatgggcc tggggggacc ctgagaaaaq qaaqqqcttt
                                                                      720
ggctgggcgc ggtggctcac acctgtaatc ccagcacttt gggaggccaa ggcaggtaga
                                                                      780
tcacctgagg tcaggagttc gagaccagcc tggctaacat ggtgaaaccc cgtctctact
                                                                      840
aaaaatacaa aaaaaaagta gccaggcatg gtggcgcatg cctgtagtcc cagttactca
                                                                      900
ggagactagg gcaggagaat tgcttgaacc tgggaggcaa aggttgcagt gagccgagat
                                                                      960
cegtgecact geactecage etgggtgaca gagtgagact cegeetcaaa aaagaaaaaa
                                                                     1020
aaaaaagtct cgacggtcga
                                                                     1040
    <210> 6952
    <211> 4580
    <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc feature
    <222> (1)...(4581)
    <223> n = a,t,c or g
    <220>
    <221> misc_feature
    <222> (24)...(3926)
    <223> similar to gi4240313 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 6952 gtggactaga gccagggtaa ggggatctgc tagaagttgg tcttccgcca ggactagagt 60 ttcctcgcgg tatatgcctc cgtggcctcc ggaggaccat gtcattagac tttggcagtg 120 180 tggcactacc agtgcaaaat gaagatgaag agtatgacga agaggactat gaaagagaga aagagttgca gcagttactc acagaccttc cccatgacat gctggatgac gacctctcct 240 ctccagagct ccagtattcg gactgcagcg aggatggcac agacggacaa ccacatcatc 300 360 ctgagcaatt ggagatgagc tggaatgagc aaatgctgcc caaatctcaa agtgtaaatg gtcccagttg tcaaggtttg gaaccgtata ataaagtgac atataaacct tatcagtctt 420 ctgcccagaa taatggctca ccagcccagg agataacagg aagtgacaca ttcgaaggcc 480 tgcaacaaca atttttagga gctaatgaga actctgcaga aaatatgcag attattcaac 540 ttcaggttct taacaaagca aaagagagac aactggagaa cttaattgaa aagttaaatg 600 aaagtgaacg tcaaattcga tatctgaatc accagcttgt aataataaaa gatgaaaagg 660 atggtttgac tctcagcctt cgagaatcac agaaactctt tcagaatgga aaagaaagag 720 agatacaget tgaageteaa ataaaageae tggagaetea gatacaagea ttaaaagtea 780 atgaagaaca gatgatcaag aagtccagaa caactgaaat ggctctggaa agcttgaagc 840 agcagctggt ggaccttcat cattctgaat cacttcaacg agctagagaa cagcatgaga 900 gcattgttat gggcctcaca aagaagtacg aagagcaagt attgtcctta caaaagaatt 960 tggatgccac agtcaccgca cttaaagaac aggaagacat ttgctctcqt ctgaaagatc 1020 acgtgaaaca actggaaagg aatcaagaag caatcaagtt agaaaagact gagatcatta 1080 ataagttgac aagaagteta gaggagagte aaaagcagtg tgcccacttg ttgcagtecg 1140 ggtcagtaca agaggtggct cagctacagt tccagctgca gcaagcacag aaggcacatg 1200 ctatgagtgc aaacatgaac aaggctttgc aagaagaatt aacagaacta aaagatgaaa 1260 tttctctcta tgaatctgct gcaaaactag gaatacatcc aagtgactca gaaggagaat 1320 taaatataga actcactgaa tcgtatgtgg atttgggtat taaaaaggtc aactggaaaa 1380 aatccaaagt taccagcatt gtacaagaag aagacccaaa tgaagagctt tcaaaagatg 1440 agttcattct gaagttaaag gcagaagtac agcgtttgct gggtagcaac tcaatgaagc 1500 gtcatctggt gtctcagtta caaaatgacc tcaaagactg tcataagaaa attgaagatc 1560 tccaccaagt gaagaaggat gaaaaaagca ttgaggttga gactaaaaca gatacctcag 1620 aaaaaccaaa gaatcaatta tggcctgagt cttctacttc tgatgttgtc agagatgata 1680 ttctgctgct taaaaatgaa attcaagttt tacaacaaca aaatcaggaa cttaaagaaa 1740 ctgaaggaaa actgagaaat acaaatcaag acttatgtaa tcaaatgaga caaatggtac 1800 aagattttga ccatgacaaa caagaagctg tggataggtg tgaaaggact tatcagcagc 1860 accatgaagc catgaaaact caaatacgtg aaagcctatt agcaaagcat gctttggaga 1920 agcagcagct ctttgaggct tatgagagaa ctcatttgca actgaggtct gagttggata 1980 agttgaataa ggaggtgact gctgtgcagg aatgttacct agaagtgtgc agagagaagg 2040 ataatctaga attgactctc aggaagacca ctgaaaagga gcaacagact caggagaaga 2100 tcaaagaaaa actcattcaa cagcttgaaa aggagtggca gtctaagctg gatcaaacta 2160 taaaggcaat gaaaaagaag accttagatt gtggcagcca aactgaccaa gtaaccacca 2220 gtgatgttat ttccaagaaa gagatggcaa ttatgataga agagcagaag tgcacaatcc 2280 agcaaaactt agaacaagag aaggacatag ccatcaaggg ggctatgaag aaactcgaaa 2340 ttgaattgga actcaaacat tgtgaaaata ttaccaaaca ggtagaaata gctgtgcaaa 2400 atgctcatca gcgatggctg ggagaactac cagagctggc agagtatcaa gcacttgtga 2460 aggcagaaca gaaaaagtgg gaagaacagc atgaggtctc tgtgaacaaa aggatatcat 2520 ttgctgtttc tgaagctaaa gagaaatgga agagtgagct tgaaaatatg aggaaaaata 2580 tacttcctgg aaaggaattg gaagagaaga ttcattctct tcagaaggaa cttgagttaa 2640 agaacgaaga agtccctgtg gtcatcaggg ctgagttagc taaggctcgg agtgaatgga 2700 acaaagaaaa gcaagaagaa atccacagaa tccaagaaca aaatgagcaa gattaccggc 2760 aatttttaga tgatcaccga aataaaatta atgaggtgct tgcggcagct aaagaagact 2820 ttatgaaaca aaaaactgaa ctacttcttc agaaggagac agaattacaa acttgtctag 2880 accagagtcg tagagaatgg actatgcagg aagccaagcg gatccaactg gaaatctatc 2940 agtatgagga agacatcctg actgtacttg gggttctttt aagtgatacc caaaaggagc 3000 acatcagtga ttctgaggac aagcagcttt tggaaatcat gtcgacttgt tcttcaaaat 3060 ggatgtctgt gcaatatttt gaaaaactaa agggctgcat acagaaagca tttcaagata 3120

3180

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```

```
<210> 6953
<211> 763
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (107)...(354)
<223> similar to gi545013 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

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ggccctgacc ttgccgggac tgtctccttt ctctcagggg ttcccaggga cccagcccc
                                                                      180
acctgccage cectecaceg tggetgteet cegtgeetet eggeeggaea ecteacetgg
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agacettett teteaceetg gecacaaagg ggeetgeetg gggagggggg ttggggacte
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cccagtaact ctgccatagg ccagtaccca ccatagctgc taatacctac caacaccctg
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                                                                      540
gaccaggetg tgctcagcgt ccccggaccg tcctcctggg ctctcaacac ctggaccctc
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ccagctgaga tttcattcat aaatctgacc cccagagggc tgtgcctggc aagaaaggtc
                                                                      660
agcgaggetg tececagtea teegggeega agacagaatt taagggaget geaaagagta
                                                                      720
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                                                                      763
```

```
<210> 6954
<211> 1653
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1200)...(585)
<223> similar to gi4929617 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6954 ctaaataaat gaatgcagaa tggggacccc tccctcctcc ccatgggaga tgggcagctc 60 agacactcag aaggttgtgt gggagcgagc aaacaaacac ccatgcacac ctgggtcccg 120 180 gtgacccacg agtaagtcac ggtttctgtg aggtgctggt ggcactggca cagggtcaca 240 gtgaaaagcc tctacgcaga ggacagcaga aaccccccgc agcctcagga ggcagcatca 300 gatttattta tteetaetea acatgaeeeg ggaacacagg agcaactetg tacaetteta 360 gaaactcaca gctagctcca aaacaataga aattttaaac tacaaaagat gagttgtatt 420 cagcaaatat aaagggtaat tttagactgt gtgaacgttt atcagactat ttacagcacc 480 cgggagacgg gttcaaaatc tcgccggcct ccttctcttc tgaacctccg tgaagccatc 540 ttcccgttgg agettetcaa geetecaagt eegggggeee tegetegete egeeegetet 600 cccaggactc ctctctggat gcccgctctc tggagaactt gtatttcgca cttcggtccc 660 gggaageceg acgatgteec eggetgtgge teegggaaeg getgeggtgg egeegatgte 720 tatctcggga ccgggaccgg gacaatttcc gtcgctctcg ggaggtagat cttgaccgcc 780 tecgaegeeg atecegggag egtgaeetee tgegatetet ggttettgat eeegaeetee 840 tgctcagacg ctcctcccgt tccctctcct ctctcctcct caaqcqatcc tgatttctct 900 tetectgett tteagegaea gtttteteag ettettttt ettegeaega aetttttea 960 cttccataag aatcttctgg gattcatcca cattaccttc agcccctagc tgttcggctt 1020 tagcaaggag ttttcctatt tcttcattta actcatgtac tttttctgcc tttgcagaaa 1080 cttccgcact gatttcctcc tgtgtttctg ccagccgctt cttggcgagc tcagttctcc 1140 gatcacattc agcaataaag gactccaagt gatccattgc ctagcacggg aaaagcacag 1200 cgctataatc aatgatgtgt aaagcgtaaa gtcttagaac ccatttgctt gataggaaat 1260 acactectag gttegtttet ttaaageetg tacatteaag ggaaagatet taaactacae 1320 taccactaac gcattcataa ttgcattaaa tcaaggggat ctgttaaaca gaatgattgt 1380 ttggaagcat ggtcttctca tttgatttac ttatttccaa aatttgtaaa aggacctcca 1440 acceteata acattacaaa gaaattetga ggaaaattaa aacaettgge agcaatteat 1500 agagtteteg gagggacaga aaaggetgag cetagaeteg tgetggagge cetettetgg 1560 ggagttgtga gagatgcata tgatgtactc actggtcttt gtgagccacg taaatattat 1620 tccctcatgt tctgagggta gggtcccccc ttt 1653

```
<210> 6955
<211> 6164
```

<212> DNA

<213> Homo sapiens

```
<220>
<221> misc_feature
<222> (2623)...(2889)
<223> similar to gi5902972 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 6955 cgacctctgt caagggcctg tgggtccctg acccctgggt gagcgagggc actgctccca 60 tgggcctggg cactgtgcca tcctccagtg ggaaacagga ggtccccagg gtctgagaga 120 accatgcagt ccaggtgtga aaggggtcct acaaggtcag ctgaccatag agaccttggg 180 accaccagga aatcgtgggg gccctcagcc aggggatggg gtcagggctc cttgagcctg 240 ttccgcccat ctagctcccc tttaacccca gggaagaagt agctcaggtg gagaccctgg 300 gtctgcatgg gggtcacgtg agctgcctgt agccagcagg ggggagggct gggtgctgtc 360 ctgaggatgc aggtgcaaat ggccatttct gggccacctg tgtgtatcag catctgcaga 420 ggggcctggg gtctggctcc tggggttggc agccccaggg gctctgccat ggctgcccaa 480 540 ceteateage acagaatgaa getggteeta tacteateae etgtgeacat gaggaaactg 600 aggccccaag aggggagccc aaggtcatat tactggggat ctgtgggctg gcgtctgagc 660 ccagcactgt ggcttcaagc ccacatctgc cctaggaggg cccaggaggc cctgtgatgt 720 cattececcg tgatgteatt ecceeatgae ateattecee tgtgatgtea tacatgtgae 780 gtcattcccg tgctgtcacc acatgatgtc atcccctgtg gtatcacctc tgtgatgtca 840 atacctettt taatgteate eecatggtgt eatteeece atgatgeeat eececeatga 900 tgtcagtccc ccatgatgtc aatttcccac aatgtcttcc cctgtaatgt caatactccc 960 tttgatgtca tccccgtaat gtcatcccct gtgatgtcat tccctcatga tgccagtgtg 1020 atgtcatctc tgtgatgtca ttccgtgatg tcacccccca tgatgcaatt cccctgcaat 1080 gtcatgcccc tgtgatgtca tcccccggtg atgtcatccc cccatgtgat gccagtctcc 1140 catgatgtcc cccctgtgat gtcattcatg tgacatcatc ccgtgatatc attcccqtqa 1200 tgtctccccc atgatgtcat tccccatgtg atgtcaattt cccacgatgt cacccctctg 1260 acatcatect etgtgatgte tegeceatga tgteatecee catggegtea ttettggteg 1320 tggggggttg tggatcccct cctctccct cccttggggt cttcctggct ggtggggaga 1380 ggtggcctgg cctgggtgcc acagcagctg ctctggaagg tgcccgggct cttgggggcc 1440 ttggcccacg ccatcccctg gactgtgcgg cgccctccag ggcccagctt ctgttgggtg 1500 ttgggcacaa gtcagaatca agtgcatctg gccagatgct gccagggcca aggatgcagc 1560 tgcctgtggc ctggccttgg tgtagagcca gagtcttgag caggggctga ggggacccag 1620 atggtgggga ggctccggag catgtgacca gggaccgtcc tgctgtggac agacctcctg 1680 ggctgagtgt tggtcgggac cgggccatgc acctagagat gtcctttgac cagtggggag 1740 ggtctggggg tgagtgtggc tgtgtccctt ggctactggg ccagtgtagt ccagggcact 1800 ctagggactc cctgtgttct gacttgaatg gagctattgg ggctgaaggg gcaatggccc 1860 tgtgtctcct cggagcttgc aggtcctctt ggaggcccag agagagccag aggagggcag 1920 ggtcactgct gcctcctcat ggtatggaat tgactgagcc catgctggga tctggaggcc 1980 ccaaaggaat gaggcctgtg gccaggggcc ggcccaggag ctggggtggc tttcggggga 2040 gaggcccgca gtgctgggag gtaagtggtg atgtgcttgg cagcctcagt gctcccttag 2100 gagggtctag gaccccacct cgaatcttcc tgggctatgc agagccagga agagaggcca 2160 ggtggccttg gtgggtggca ttagatgctc cagccctgcc tggaactccc ttgggggtcg 2220 ggccacagcc aagaagagtg ctgttttgcc tgtgctaagg ccactgtacg tgcagagctg 2280 gacccagaac ctcgtccaag gcccccggca gtctcaccag gaggtgttta gagctggcca 2340 cgtggagtgg catacetecg gggggcgggg gggctgtgag agggcagtgg tgtgggccet 2400 tggtctgtgc ctcccacagg acagctgctt caatagcatc tgtgccccct cctgcctgta 2460 gtccacccac cactgacccc tggacttggc tggcggattt tcacaccttc tcctgggggc 2520 aggictcage tigtececaa eccagicaga gecagictea etcectgeet caggeaactg 2580 tgtatgtttt aattttatt tatttatgta ttcatgagat agagtctcac tctgtctccc 2640 aggetggagt gtagtggcac catttegget cactgeaace teegeeteec gggttegage 2700 cattetectg ceteageete etgagaaget gagattacag gegetegeea ceatgeatgg 2760

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```

```
<210> 6956
<211> 2956
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2957)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (94)...(1745)
<223> similar to gi5081315 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6956 gcgagacttt gtctcaaaat aacaataaga agctggggga gcttggattg aaagggagga 60 aaagatgtat tacattttct cttgttttct agtgagttat tctccccacc tcagaagtac 120 cagcttttgg tgtatcatgc agattctctc tttcatgata aggaatatcg gaatgctgtg 180 agtaagtata ccatggcttt acagcagaag aaagcgctaa gtaaaacttc aaaagtgaga 240 ccttcaactg gaaattctgc atctactcca caaagtcagt gtcttccatc tgaaattgaa 300 gtgaaataca aaatggctga atgttataca atgctaaaac aagataaaga tgccattgct 360 atacttgatg ggatcccttc aagacaaaga actcccaaaa taaacatgat gctggcaaac 420 ctgtacaaga aggctggtca ggagcgccct tcagtcacca gctataagga ggtgctgagg 480 cagtgcccat tagcccttga tgccattcta ggcttgttgt ccctttctgt aaaaggggca 540 gaggtggcat ccatgacaat gaatgtgatc caaaccgtgc ctaacttgga ctggctctct 600 gtgtggatca aagcgtatgc ttttgtgcac actggtgaca actcaagagc aatcagtacc 660 atctgttcac tagagaaaaa atccttattg cgagataacg tggacctatt gggaagcttg 720 gcagatctgt acttcagagc tggagacaat aaaaactctg tcctcaagtt tgaacaggca 780 cagatgttgg atccttatct gataaaagga atggatgtat atggctacct actggcacga 840 gaagggcggc tagaggatgt tgagaacctt ggatgccgcc ttttcaatat ctctgatcag 900 catgcagaac cgtgggtggt ttctggctgt cacagcttct atagcaaacg ctactcccgg 960 gccctctatt taggagccaa ggccattcag ctgaacagta atagtgttca agctctgcta 1020 cttaagggag cagcacttag gaacatgggc agagtccaag aagcaataat ccactttcgg 1080 gaggccatac ggctcgcacc ttgtcgctta gattgttatg aaggtcttat cgaatgttac 1140 ttagcctcca acagtattcg agaagcaatg gtaatggcta acaacgttta caaaactctg 1200 ggagcaaatg cacagaccct taccctttta gccaccgttt gtcttgaaga cccagtgaca 1260 caggagaaag ccaaaacatt attagataaa gccctgaccc aaaggccaga ttacattaag 1320 gctgtggtga aaaaagcaga actacttagc agagaacaga aatatgaaga tggaattgct 1380 ttgctgagga acgcactggc taatcagagt gactgtgtcc tgcatcggat cctaggagat 1440 1500 ttggacccca atgaccagaa gtctctagag gggatgcaga agatggagaa ggaggagagt 1560 cccacggatg ccactcagga ggaggatgtg gacgacatgg aagggagtgg ggaagaaggg 1620 gacctggagg gcagcgacag tgaggcggcc cagtgggctg accaggagca gtggttcggc 1680 atgcagtgag ggggcggcag ctccatggcc gcagtggcct gccctgctct gagcacttcc 1740 gtggactgaa ggaaccgtag gagcctgctc tcagaaggac aatgattcag catgtgattg 1800 cagcaggggt ctctgccccc tcgctcccaa ttcctagtcg tgacttcatt tctaaaacag 1860 agectgacca accttccatg tatetccate etcecetget ecagecaggg aggactgagg 1920

```
1980
gagtgccccg agacccacgc acatgttggg gcttctgggc caagagtact ttttatataa
ctaatttcta aatccaaaag ctcaaggaat agacagtgtt ctgtgacatg gattggtttg
                                                                     2040
aaggagttac ccaccatccc agcacgataa tgtcatctcc caagttggat ggcagcacga
                                                                     2100
totggcccta qqqaqcttcc tgttcccaqa agtcattgtc ctqqqctatc cagatgtccc
                                                                     2160
tagtaaatct tgcttccttc tgcaatgtta gtaatgcctt aagctgacag ttgctatttt
                                                                     2220
gcagaacagt tttcctcttt gcttagctag taacttgcct ctgagcctgg gctgatctga
                                                                     2280
gaaacaggtg tgacaagagc atgaaccaga ggtgcacctg gggcagttcc ctaataaaac
                                                                     2340
tggtttgtac agtcatggtg ttggggtgat cagaatggaa gcccttttca aaatagactc
                                                                     2400
ttagtatttt tgtcttattc gcaatgccat tgattcagcc ccagaattat ttgcccagaa
                                                                     2460
aatagacttt ccttnccccc tggtgttggg aaccccagga gggttggaaa aagctcagga
                                                                     2520
accetgaget ggtteatetg tttgeeatat tgggtaggtt aattteeeet ggageetgag
                                                                     2580
agtetttgge ceagatttee agetgeggte teecetgget ettttgetge agetgtgaga
                                                                     2640
ttggggtctg gttccagcag tctgtcactg gtcagcctga gtatcacacc ctgagctctg
                                                                     2700
gggctgggag tttcttcccc acaccctctc ccttgtgcct taagttgcga tggctctgag
                                                                     2760
tatacaatta atcggaggtg aggggtgggt gtcacagcta atcccaaatt caaaaattag
                                                                     2820
tccaaggtgc tgcaaaatat aaatttgatg tcagtagaaa gtcgtatcct aaaatgtaaa
                                                                     2880
aactgtaagt gtacagtagt taatgagctc agaacatctg ataactgcaa tttaaaatgg
                                                                     2940
gcaaaaagtt aaaaaa
                                                                     2956
```

```
<210> 6957
<211> 971
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (847)...(194)
<223> similar to gi5706454 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6957
ggaccaagca tgtttggggc tgtaacttct tttctgaggc acaaatgccc acccaaqatt
                                                                       60
attagaggaa cgagggcagt gggcaggaag gtgagacgct gactttagaa atagctggtg
                                                                      120
attacagatt taattcatgt tattaactcc ctgcctttta cctcctccct cctcccttgg
                                                                      180
cacaactgcc agatggatgt ggctggaagt cagaggacat tctcgtgggt tcgtgggcct
                                                                      240
agggtacaaa tgacctcagc gtgacagcaa acaggacaga gaagaccagg ctcttactca
                                                                      300
ggaatccacc agccaggaga atgacaatgt tgaacaccgg aaccctgatg atatctgtca
                                                                      360
catttgtaag gttgatttca gagtcaggag tggagacatc ggcagttgac ttgggtggag
                                                                      420
cttgggtcac agttctgggg gtggtataga gtgggcacaa ggccttagtg gtggtaggag
                                                                      480
gaatcttata cacattctgg gtagaattct cattggagcc aggggtccct gaaaaaccct
                                                                      540
tggtcaccac caagcggatg cgatcgaaca gcatgtgagg ctccttggga ggctggtaga
                                                                      600
tcacacactg atacagtcca gaatcttcca cttgaaggtt gaccattcgg acgcgcagta
                                                                      660
aaccatgatc atggtagtct tctagtatga tcctccccac ttggactgga tgggaattct
                                                                      720
ttgaaggcet ctctgtgcat gccagggtet tgggcatete tecqtecett attatetqce
                                                                      780
aagetttetg getgetggea aaetteteta gegtgtagte acattteaca tecagggtet
                                                                      840
gcccctcttt cagttcatac ttttcctcag ttaatttagt tgcagctcgg agttctqaqa
                                                                      900
caaagagcat ccacagcagc ccccagagcc tggtcttcct catccttcct gtgcaccagc
                                                                      960
tccaactgct g
                                                                      971
```

```
<210> 6958
<211> 1471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1472)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (832)...(1162)
<223> similar to gi4128021 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6958 ggaggcagga gatgggaaag aaaagtgtaa ttttgaatat gtagttggta actattctct 60 tactttgttc tttgaaaaat aggaactaaa tccatgaagg attttcagtt ttactgtgtc 120 tgccttatag atcccacac tgcctcctgc aatacacaca cacacacaca cacacacaca 180 cacacacaca cttaaactca cacacacaca ctctttctgt gaggacccag taaacaattg 240 ctttattttt ctatcagcac aattccaaat ctattcgtgc cccttagccc atctggctgt 300 cagatccaca agagaaaaag gcttaatacc cacaacagag ccttgtttat tacttattta 360 teteceteca ecettgttee egatgggatt teaggegget tactgagatg gacaatacgg 420 ccagataaca tcattcctga attccttagc agggcacaca aagtcctttg tgagctgcca 480 gaatctattt ccccagcctc gtccctgctg cctccctgcc aactccccgt gcaaacacac 540 attccagcaa cccccacgc tgccttagtt acccgaatgg tccattgcgt ttcctctcat 600 gcctttgtgg cgttttatat gctgatctct ctgcctgatg agcccctccc tgggcagtcc 660 tacccctcta agctggagtt caagcatgac ctcctctgtg aagccttcct tgatttcccg 720 ggcagataca gacatttctt ctctctgctc acttaccact taaatgtgca tggttccccc 780 tctaaatgga agctccatga agccagagac cttctctttc cagctatatt tcccttgtgt 840 ctgctactgg aaacatggaa cgccgaggag gcagccttga cataaatgat gggcattgtg 900 gcaccggctt gggcagtgaa atgaatgcgg ccctcatgca tcggagacac acagacccag 960 tgcagctcca ggcggcaggg cgagtgcggt gggcccgggc gctgtatgac tttgaggccc 1020 tggaggatga cgagctgggg ttccacagcg gggaggtggt ggaggtcctg gatagctcca 1080 acceatectg gtggacegge egectgeaca acaagetggg cetetteeet gecaactaeg 1140 tggcacccat gacccgataa actcttcagg ggacagaagc tttttgtctg gagctgccca 1200 caagaaagag ggcaaggaaa aaaggctgga ctccatgact atatatacat acatctatct 1260 acatctgcct gtgtacacac acaacttttt atactagtaa tttattggca attgggctgg 1320 taattagttg atgcaaaagg gaactcaggt ggagaataat attgacactt gcttttctgc 1380 1440 ggagttttgt cctggcnnan naaaaaaaa a 1471

```
<210> 6959
<211> 1287
<212> DNA
<213> Homo sapiens
```

```
<222> (289)...(1033)
     <223> similar to gi2384956 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6959
ggaggcagga gaacggaagc tgggagcagg gaaagccttt tgtcctgagc ttttctggca
                                                                       60
agggactttg catattggtt ttgcatctca tttacttctc cattggttca ggataaagat
                                                                      120
ggggaatccc ctcctcca aacctgcccc caaacccttc cttcttgaac cagaactctc
                                                                      180
ctctccccgg tactccttcc tggaccgcgc tggaagccct ggcggcggcg gcccatgggg
                                                                      240
cccttggcgc tgcccgcctg gctgcagccc aggtatagga agaatqcqta tcttttcatc
                                                                      300
tattacttaa tocagttotg tggccactot tggatattta caaatatgac agtcagatto
                                                                      360
ttttcatttg gaaaagattc aatggttgac actttttatg ctattggact tgtgatgcga
                                                                      420
etttgecaat cegtatetet cetggaactg etgcacatat atgttggcat tgagtcaaac
                                                                      480
catcttctcc caaggttttt gcagctcaca gaaagaataa tcatcctttt tgtggtgatc
                                                                      540
accagtcaag aggaagtcca agagaaatat gtggtgtgtg ttttattcgt cttttggaat
                                                                      600
ctattggata tggttaggta cacttatagc atgttatcag tcataggaat atcctatgct
                                                                      660
gtcttgacat ggctcagtca aacactatgg atgccaattt atcctttgtg tgttcttgct
                                                                      720
gaagcatttg ccatctatca atcgctgcct tattttgaat catttggcac ttattccacc
                                                                      780
aagctgccct ttgacttatc catctatttc ccatatgtgc tgaaaatata tctcatgatg
                                                                      840
ctctttatag gtatgtattt tacctacagt catctatact cagaaagaag agacatcctc
                                                                      900
ggaatctttc ccattaaaaa aaagaagatg tgaagtacag cattccagtg tgacacgaga
                                                                      960
aaagacaggc tgtggattca gtgcagtaaa taaaacacag gaagtattct ggtggaaaaa
                                                                     1020
ttccttgtgt tttgataaaa atccattaca tgaaataact gcacataccc ccaaaactct
                                                                     1080
agacataaca ggctatgttt ttcacacatt gtatttttaa gacatatata ttctccatac
                                                                     1140
cctgcttcac caaaattcct gcttcatttg gattttatac aagttatact tacattgtat
                                                                     1200
gaagtctgat tattttcctg taagtttaat gaaaaatagg agattagctg caatagattc
                                                                     1260
aatttaatta aaaaaccaaa cttgaaa
                                                                     1287
     <210> 6960
     <211> 2024
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (1769)...(1015)
     <223> similar to gi4688672 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 6960
ctattttgtt ggttttgttt cggctagcta gatagactat cagctgaaca ctctcttgaa
                                                                       60
ggagttccag ctaacagagg agaacactaa gctccgatat ctcacctgtt ctcttattga
                                                                      120
agacatggcc gccgcgtatt ttccagactg catagtcaga ccctttggct cctcagtcaa
                                                                      180
cacttttggg aagttaggat gtgatttgga catgtttttg gatctagatg aaaccagaaa
                                                                      240
```

<220>

<221> misc feature

```
cctcagcgct cacaagatct caggaaattt tctgatggaa tttcaagtga aaaatgttcc
                                                                      300
ttcaqaaaga attgcaactc agaagatcct gtctgtgtta ggagagtgcc ttgaccactt
                                                                      360
tggccctggc tgtgtgggtg tgcaaaaaat attaaatgcc cggtgtccgc tcgtgaggtt
                                                                      420
ctcacaccag gcctccggat ttcagtgtga tttgactacg aacaatagga ttgccttgac
                                                                      480
aagttccgaa ctcctttata tatatggtgc cctagactca agagtgagag ccttggtgtt
                                                                      540
cagtgtacgg tgctgggctc gagcacattc actaacaaqt aqtattcctq qtqcatqqat
                                                                      600
tacaaatttc tcccttacaa tgatggtcat cttttttctc cagagaagat caccccctat
                                                                      660
tettecaaca etagatteet taaaaaceet ageagatgea gaagataaat gtgtaataga
                                                                      720
aggcaacaac tgcacatttg ttcgtgactt gagtagaatt aaaccttcac agaacacaga
                                                                      780
aacattagaa ttactactga aggaattttt tgagtatttt ggcaattttg ctttcgataa
                                                                      840
aaattccata aatattcgac agggaaggga gcaaaacaaa cctgattctt ctcctctgta
                                                                      900
cattcagaat ccatttgaaa cttctctcaa cataagcaaa aatgtaagtc aaagccaqct
                                                                      960
gcaaaaattt gtagatttgg cccgagaaag tgcctggatt ttacaacagg aagatacaga
                                                                     1020
tegacettee atateaagta ateggeeetg ggggetggta teeetattge taccatetge
                                                                     1080
tccaaacaga aagtccttta ccaagaagaa aagcaataag tttgcaattg aaacagtcaa
                                                                     1140
aaacttgcta gaatctttaa aaggtaacag aacagaaaat ttcacaaaaa ccagtgggaa
                                                                     1200
gagaacaatt agtactcaga catgatggct gctacattgt gtaaagaact gggcttagcc
                                                                     1260
tatcaaatgg totgtggact tacttggaaa aactgatttg aaactttcac agatctcagc
                                                                     1320
tttcatctga tgtcactttt catgatcttc tcattggccc ccttaacctg gtctgaagtt
                                                                     1380
ctgggatgtt ttcagtttga tcagtctgat actcagtggc actttattaa aacatcagct
                                                                     1440
gtggagtgtg gcggtgcaca cctgtagtcc cagctgctca ggaggctgag gcaqqaqqat
                                                                     1500
ctcttgagcc caggattttg aatccatcgt ggacaacata gcaagattcc atctctaaaa
                                                                     1560
aaaatgaaaa taaacataag ccacaaggaa tgggtgaaag attattgtaa tgtgctttaa
                                                                     1620
cgtaaatagg taaatatact aaacaaatgc taaaactcag ttttaggatg gaaccccatt
                                                                     1680
gttgatatcc caccatcagt ccctgtttag aaaacattta aaaatgactt ttagttacgt
                                                                     1740
acagtacgtt ggcaatgaat accattaagc ctcaaaattt ggtagtgccc ctcggaatat
                                                                     1800
gtatatttgt attittcaag cgaagttctc ttattcacat ataaattaaa gtgqqttqqt
                                                                     1860
actgatatca aaaaatgttt atgtttttag aacagacatt tcagtccctq cattcttaqq
                                                                    1920
tattccaaac cagatttgat gacatcaata gattgcattt taaaaatatt qtttqatttt
                                                                    1980
tctattttca aaaataaaat tctgtttcta actaaaaaaa aaaa
                                                                     2024
```

```
<210> 6961
<211> 2114
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (906)...(444)
<223> similar to gi5091552 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6961

tttcgtcggg ctggaggggc cgggactggg cagcgcctaa agcgccccat gccgcttaac 60

gcggtctctc atagccgctc gccttccttt cacttcctgt tccttcagaa agcgctgtgc 120

cttggaccaa ccttacttct tactattgac agctcagcta actcctattc atccttcaaa 180

acccatctct ggtggtttgg ctttgaatga cagcaagaac tctgtcttta atggcttcat 240

tggtagcgta tgatgattcg gactcggagg ctgagacaga gcatgcagga agttttaatg 300

ctaccggcca gcagaaagac acttctggtg tggccagacc acctgggcag gattttgcat 360

ctggtacact ggatgtgcc aaagcagggg cacagccac aaagcatggc tcctgtgaag 420
```

```
acccaggggg ctatcgcctt ccattggctc agcttgggag aagcgatcgg ggatcttgcc
                                                                      480
ccagccagag gctacagtgg cccgggaagg agcctcaagt caccttcccc atcaaagagc
                                                                      540
cttcttgttc ttctctgtgg acgagccatg ttccagccag ccacatgccc ctggcagctg
                                                                      600
cccgctttaa gcaagtaaaa ctctccagga actttcccaa gtcatctttc catgctcaaa
                                                                      660
                                                                      720
gtgagtctga aaccgtaggt aaaaatggca gctcttttca gaagaaaaaa tgtgaggact
gtgtggtacc ctatactccc agaagactaa gacagcggca ggcattaagc acggagacag
                                                                      780
gcaagggtaa agacgtggag ccacaggggc cccctgcagg gcgtgcccca gcccctctct
                                                                      840
acgtgggccc gggagtgtct gagtttattc agccatattt gaatagccat tataaagaaa
                                                                      900
ccacagttcc ccggaaagtg cttttccacc tgagaggcca caggggccct gtcaacacca
                                                                      960
ttcagtggtg tccagtcctt tctaagagcc acatgcttct ctccacttct atggataaaa
                                                                     1020
ctttcaaggt atggaacgcc gtggactccg ggcactgcct gcagacctac tccctgcaca
                                                                     1080
cagaggcagt gcgggccgcc cggtgggctc cctgtggccg gcgcatcctc agtggtggct
                                                                     1140
ttgacttcgc gctgcaccta acagaccttg aaacaggaac ccagctattt agtggtcgaa
                                                                     1200
gtgactttag aatcactacc ttgaaattcc atccaaaaga ccacaacatc tttttatgtg
                                                                     1260
gaggetteag etetgaaatg aaagettggg atataaggae tggeaaggtg atgagaaget
                                                                     1320
acaaggcgac catccagcag accttggaca tcctgttcct ccggggaaggc tccgagttcc
                                                                     1380
tgagcagcac agacgcttcc acccgggact cagctgaccg caccattatt gcctgggatt
                                                                     1440
teeggaeete tgecaaaate teeaaceaga tttteeacga gaggtteace tgeceeagee
                                                                     1500
tegeettgea eeegagagag eeegtgttee tggeacagae caatggeaae tacetggeee
                                                                     1560
ttttctccac tgtgtggccc taccggatga gcagacggcg gcgctatgaa gggcacaagg
                                                                     1620
tggagggcta ctcagtgggc tgcgagtgct ccccaggcgg tgacttgctg gtgacgggca
                                                                     1680
gcgccgatgg ccgggtcctg atgtacagct tccgcacagc cagccgagca tgcacactgc
                                                                     1740
aggggcacac acaggcctgt gtcggcacca cctatcaccc cgtgctgccc tccgtcctcg
                                                                     1800
ccacctgctc ctggggaggg gacatgaaga tctggcactg agctttttgt cactgaacct
                                                                     1860
tecegatgee agetgggete ttggaeteee etetteetea agggtagatg agaggaacga
                                                                     1920
gcacagaggt tggctgtggg tcctgggtac caccttctga gcctcagttt cctcatctgt
                                                                     1980
aaagtgggga gaaaagtctg tttgcctcag gagtgtgagg actacactag tgaaagcgcc
                                                                     2040
tggcgggcag ccggcgatgc ccaataaatg tgtgttttgc tgtttgttaa agtgatttca
                                                                     2100
gcaaaaaaa aaaa
                                                                     2114
```

```
<210> 6962
<211> 1534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1017)...(479)
<223> similar to gi3228237 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6962
cgacgatttc gtggcgagtc cggggcagga agaacgcacg gatggagaca acaggaagga
                                                                       60
aagagacett eetggteaca ettgggeeae aggagaacag geageggeee aggaggatee
                                                                      120
agggtcctga tggtggttga gaagctggtt cttagtgatc actcagaaac gtcggcctgg
                                                                      180
ccttgtgggg tcagaccttg catctcagtc agcccaggga gaagaagaag atggtccaca
                                                                      240
cccaagtgca gggaacatcg tggcagtcgg ctgggtgcct gcgtccaggc gaggacacct
                                                                      300
cccgcatcag ggaaacacac gtttctggag tgaggaggct gaaggcaggg cccagaggag
                                                                      360
agctgagcca tggaaggagg tgtgtgcatg gatggtgagc tagagcaggt gcaggtgcct
                                                                      420
cagggaggat gtgtgggacg aactgactca gggaaccata agaaatgctt tcaccaaaca
                                                                      480
```

```
ggagaaacct gaaggtctgg gtccagagcc tcagatctta cactggcagc acacagggac
                                                                      540
acaacagttg gactggcagc aacagggctt gcagcagctg gactggcagc acacggggac
                                                                      600
acagcagctg gactggcagc agcagggctt gcagcagctg gactggcagc aggatgatcc
                                                                      660
acagcetgag gagcagcaac agggettaca acagetggae tgggagcage cacaagaace
                                                                      720
acatececee ttggaacece cacaggagee acagececee ttggageee cacaggagee
                                                                      780
acagetggtg caggaacagg etggcaccca ggagcacacg ggettqcagc aqcaqacaqq
                                                                      840
cacataacat ctggagccac atcccccaca gctggagctg cagcccccac agccagagcc
                                                                      900
acagececca eggeeggage cacagecece acagecagag ecacaacece cacagetqqa
                                                                      960
gccacagccc ccacagccgg agccacagcc tctggagcag ccacagcagc ccatggttct
                                                                     1020
ggtggattga gggtggagca ggtagaggag caggtgagag ggaggtgcag gtgtggagct
                                                                     1080
ccctgagcct gggctcttta tatacctgtc cagatgtcag gcatgacaca gggtcccttt
                                                                     1140
cttgtgactg tttacactat ttttccagag ctctattttt ttcctctttg ctagtgactt
                                                                     1200
ccttctggct cagttgagca tctactttct ttgttttcta aatttgtctt tttccccatt
                                                                     1260
tgttttggcc cctacaatta aaacctcagc tccaggctgt ctggttcttc ctgcaaagct
                                                                     1320
ccagggtgct ggtcacctgc tctctgctga ccacatgtga ccaatgggca acagcctctg
                                                                     1380
cccacgtgct ctaatctttc ctgtgttgac tccctcaata atattaattt tacattttta
                                                                     1440
gatttcaaaa ttatccacga tetttataet catgecagte teagetttee gggtgtgtta
                                                                     1500
gaccattctt tgcattgctc taaagaaata cttg
                                                                     1534
```

```
<210> 6963
<211> 2968
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (37)...(2192)
<223> similar to gi806856 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6963
atcgtgaccg tgagagaaga agatggggcc cctgcagtgg cgccgcctgg tgtggtgtt
                                                                       60
agtcgggcta acaagcgcag cggcgcgggg ccgggaggca gcggtggcgg gggagccaga
                                                                      120
ggggcggagg aggaaccgcc gccgccccta caagcagttc tggtggccga tagcttcgat
                                                                      180
egecgettet teeceatete caaggaceag eetegggtee tettgeeeet ggecaatgtg
                                                                      240
gcattaattg actacactct ggaattcctg actgccacag gtgtacagga aacatttgtc
                                                                      300
ttttgttgct ggaaagctgc tcaaatcaaa gaacatttac tgaagtcaaa gtggtgccgc
                                                                      360
cctacatctc tcaatgtggt tcgaataatt acatcagagc tctatcgatc actgggagat
                                                                      420
gtcctccgtg atgttgatgc caaggctttg gtgcgctctg actttcttct ggtgtatggg
                                                                      480
gatgtcatct caaacatcaa tatcaccaga gcccttgagg aacacaggtt gagacggaag
                                                                      540
ctataaaaaa atgtttctgt gatgacgatg atcttcaagg agtcatcccc cagccaccca
                                                                      600
actcgttgcc acgaagacaa tgtggtagtg gctgtggata gtaccacaaa cagggttctc
                                                                      660
cattttcaga agacccaggg tctccggcgt tttgcatttc ctctgagcct gtttcagggc
                                                                      720
agtagtgatg gagtggaggt tcgatatgat ttactggatt gtcatatcag catctgttct
                                                                      780
cctcaggtgg cacaactctt tacagacaac tttgactacc aaactcgaga tgactttgtg
                                                                      840
cgaggtctct tagtgaatga ggagatccta gggaaccaga tccacatgca cgtaacagct
                                                                      900
aaggaatatg gtgcccgtgt ctccaaccta cacatgtact cagctgtctg tgctgacgtc
                                                                      960
atccgccgat gggtctaccc tctcacccca gaggcgaact tcactgacag caccacccag
                                                                     1020
agctgcactc attcccggca caacatctac cgagggcctg aggtcagcct gggccatggc
                                                                     1080
agcatectag aggaaaatgt geteetggge tetggeactg teattggeag caattgettt
                                                                     1140
```

```
atcaccaaca gtgtcattgg ccccggctgc cacattgagc caggtgataa cgtggtgctg
                                                                    1200
gaccagacct acctgtggca gggtgttcga gtggcggctg gagcacagat ccatcagtct
                                                                    1260
ctgctttgtg acaatgctga ggtcaaggaa cgagtgacac tgaaaccacg ctctgtcctc
                                                                    1320
actteccagg tggtcgtggg cccaaatate acgetgeetg agggeteggt gatetetttq
                                                                    1380
caccetecag atgeagagga agatgaagat gatggegagt teagtgatga ttettgggget
                                                                    1440
gaccaagaaa aggacaaagt gaagatgaaa ggttacaatc cagcagaagt aggagctgct
                                                                    1500
ggcaagggct acctctggaa agctgcaqqc atqaacatqq aqqaaqaqqa qqaactqcaq
                                                                    1560
cagaatctgt ggggactcaa gatcaacatg gaagaagaga gtgaaagtga aagtgagcaa
                                                                    1620
agtatggatt ctgaggagcc ggacagccgg ggaggctccc ctcagatgga tgacatcaaa
                                                                    1680
gtgttccaga atgaagtttt aggaacacta cagcqqqqca aaqaqqaqaa catttcttqt
                                                                    1740
gacaateteg teetggaaat caactetete aagtatgeet ataacataag tetaaaggag
                                                                    1800
gtgatgcagg tactgagcca cgtggtcctg gagttccccc tgcaacagat ggattccccg
                                                                    1860
cttgactcaa gccgctactg tgccctgctg cttcctctgc taaaggcctg qaqccctqtt
                                                                    1920
tttaggaact acataaagcg cgcagccgac catttggaag cgttagcagc cattgaggac
                                                                    1980
ttcttcctag agcatgaagc tcttggtatt tccatggcca aggtactgat ggctttctac
                                                                    2040
cagctggaga tcctggctga ggaaacaatt ctgagctggt tcagccaaag agatacaact
                                                                    2100
gacaagggcc agcagttgcg caagaatcaa cagctgcaga ggttcatcca gtggctaaaa
                                                                    2160
gaggcagaag aggagtcatc tgaagatgac tgaagtcaca ctgcctgctc ctttgggtgt
                                                                    2220
gattgagtgc cctcctggct cctgggctgg gacaagtgag gaactagctg cagagggatg
                                                                    2280
agtgaccacc atccaggetg agactgaaag gagcagaggc tggaactaca qtattctttc
                                                                    2340
ccctgctagc aaccatgtgc ctcccatcct gactgtggag ttgggatgtg gaagtggggc
                                                                    2400
tggaacaaag cttctgccta gggaggagct aagcaggccc ggcagttgga ggaaggccag
                                                                    2460
aggaacagct ttgtgctccg gctttccctc agggaacagc agagagcagt tggctctttc
                                                                    2520
tgctgcttgt atatgttaat attaaaagag agagtggtgt atttggtttg tctccatccc
                                                                    2580
tgactaatca gccagtgaag tatgtgacca gaatcacatg atagcctttc cttaacacct
                                                                    2640
gggggagagg gaggacgggt gtgccaccca ctaggtggta ctgtqgtacc ttqctaatta
                                                                    2700
acctttccca tggctcatgg gtagtggagg gcggaggttc ttttccaqcc tctqtqqacc
                                                                    2760
aacttgtgat cctggggtgg tgtgcctaag cccgtttcca tagagtccca ttttgaacac
                                                                    2820
ttttctgcca aaggattatg ttgccaacca tatgtaaagc ccagttcctt tcacatgcct
                                                                    2880
tttccagttg atctggtact cgttctgtca ggaagctggg ccacgcttca tcagaaataa
                                                                    2940
ggaaatcagc tcaaggtcac atgactct
                                                                    2968
```

```
<210> 6964
<211> 1375
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (944)...(793)
<223> similar to gill42588 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6964
atgatcactt ccagagtaga aaactatgaa tgtgggatag ccttctgaaa aagccacaaa 60
tttatgaaac attagagaat tcttccaagg tgacaaatta tataatgaaa aagctgttac 120
cagaaacttt cagcagacat cttattgata atatttaatc agcattctca ttgaaatctg 180
aaacaaggta tcttccatca gcataacaac acaacacttg agctcctagc caatgtatta 240
agtaaggaaa acaagtatca acgaagaact ataaaaataa cttttataca agaaataatt 300
agaaaatgtg ttgatagaaa acctaagaat aaacacaaca atgagttagg tctttatcaa 360
```

```
gttataaaat atgttgaaag gcacaaaaga acacctgaaa aatgatattt tgtctgaaaa
                                                                      420
gacttgacat tgtaaaaata taatttctct cccaaatcac taagtttaat atacttctga
                                                                      480
agtttacatc agttttattt taaggaactt cacaaactta tccaaaaatt ttatqtqqaa
                                                                      540
aagtaaagaa acacaaatag ctgaaacaaa cttgacaaag caagtagaga agacacactc
                                                                      600
tattattaga tatatcatgt acttatttaa agctgctqtc atttaaacaa tqtattacca
                                                                      660
agtgaataaa tcaagcagta gtaagatagt gagcattcat acaaaaatcc aagaagatac
                                                                      720
aggaattetg tgtatgacag tgctattgaa atcactgggg aatgaatgge ttatttaata
                                                                      780
aatggaaggt tcataggaga aaaattttag ctttctactt tatatcatat acaaaaataa
                                                                      840
aatccaacta aagaccagaa tataaaaagc aaaattttaa aactatgatg aaagtagaat
                                                                      900
ccgttacttt agggtaacaa gatttcttta aaaaacatgt aaacatggaa tagtctgttg
                                                                      960
aattttggtg tattggcctc acaggcaccc acaaatgtac acaaaqaqat atatatcact
                                                                     1020
gtgttcctga atcatggttt gtattgccca aaattggata taacaaattt ttatcaattg
                                                                     1080
tggaatagat gaataagtgt gatcatttct gtgataaaat acagaattta gaaacaaaat
                                                                     1140
ctacctatag ttatatggat agattacaat atataatatt gagagaaaaa attaaaatgc
                                                                     1200
acaaaggaac acagtataac atttgtataa tttaataaga tcttgcaaag aacagtactg
                                                                     1260
tgtattggtc atggatccat atatgacttg gttgcctttt gggatgtggg aaaggtttgg
                                                                     1320
tgggagttgt tatatttatc tgtaatattt ctttaataaa agagtgaaaq caaat
                                                                     1375
```

```
<210> 6965
<211> 1734
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (1735)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> similar to gil561608 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6965
ttttgctccg gctgcaggaa ttcggcacga gggaacaagg tctgtacccc acttttcctc
                                                                       60
ctgtgagcag tctggacttc tcactgctac atgatgagta tcctcccctt tccggatctg
                                                                      120
ctgagccgga cagcagtgct ggactgcaca gccccggggc tccacattgc tgtacgcaca
                                                                      180
gagatgatat gcaagttcct ggtacagctc agcatggatt tcagctccta ctacaaccgg
                                                                      240
gagectegae caeacetett tggteagatg ttegteegee tgeagettet gagagetgtg
                                                                      300
cgtgaggtgc tccatactgg cctggctatg ctgggtctcc ctccactgag ccacatttaa
                                                                      360
ggccacagag gctccaatac ctgggaatgt tcacaaagtc atcaactgga aaaaaagcaa
                                                                      420
aaacccacgg ccaaaataaa ttggtactgt ttgttacaaa gttctgtctt gtcatgggga
                                                                      480
gtcgggcata ttcttggcag cactccactc accttcagct cctgcaccga catcaggaac
                                                                      540
ccacggccac cacctcctcc cctcaaggca tgctgagcat gggcacagac agcccttccc
                                                                      600
tgctccatgc tgtctgtgag caggccccat gcccagcacg ccagccaccg caggatacct
                                                                      660
cagtcatacc agttgtaaac ctcaagcccc tgacccccaa gggcacaacg gtggccaaac
                                                                      720
tcagggctca caggccagca gtccatgtca gccacatcag gcacatggaa cacagtgcta
                                                                      780
ttcatgaagg tgggttcacc atgccccaga cgccagaagg tcagccgttg atcaatggag
                                                                      840
gctgagacca tgatgcttgg gcttaggatc ttgaggcctg tcacatgggc agcatgtgca
                                                                      900
```

```
960
gcctcttcta gctgtagcat ctccacagca agcacgaaga catggaggga tccatcttca
                                                                1020
ctgccactgg ccacgagatg gtggccctca cgggtgggca aggtgtgcag gctgttgata
                                                                1080
ccacagetgt gggcetggag agteagggag ggggtgccaa geeggtaggg aageeeagga
                                                                1140
tecaetggag getecaggae agtggagtea tggtetagea tggtggtgag ateceagaaa
                                                                1200
gecaggetge cateagtage tgegetgeae aggaggagee teegeetetg gttgggtgee
                                                                1260
tegtgtgtaa aggagtggac ettgaggaca categettat ggtggaaggt ttcagcaagg
                                                                1320
agctgcagaa tccgcccaga atcctgcaaa agaaagagcc ttacggcccc atcactacag
                                                                1380
gctgcagcca caagggggcc aaggccgggc tggtcaagtt cacacacagc aagggacatg
                                                                1440
tacctggtct ctgggtctac cttaaccatc cgatgccgat tgcgttgccg gtcccaatac
                                                                1500
teatetagee ggtgggaega aaggtgeatg acatggeagg egaggegget tggggtgetg
                                                                1560
gggtccggag taaccatgat gctgaagcag tgcatctcag cccgccccc cgcagacacc
                                                                1620
acatgggcag tcaggcctgg ctgaggatcc tgagggccac ctggggtgcc aatgccccac
                                                                1680
acagccacag cacgtaccga gaaaataaag ttcaacagcc ttnnntgcgt gcga
                                                                1734
```

```
<210> 6966
<211> 1653
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (68)...(1490)
<223> similar to gi4091879 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6966 cagcettact gaacatettt cettetttea gecaactget cactegetea ceteceteet 60 tggcaccatg accacctgca gccgccagtt cacctcctcc agctccatga agggctcctg 120 eggeategga ggeggeateg ggggeggete cageegeate teeteegtee tggeeggagg 180 gtcctgccgt gcccccagca cctacggggg cggcctgtct gtctcctctc gcttctcctc 240 tgggggagcc tgcgggctgg ggggcggcta tggcggtggc ttcagcagca gcagcagctt 300 tggtagtggc ttcgggggag gatatggtgg tggccttggt gctggcttcg gtggtggctt 360 gggtgctggc tttggtggtg gttttgctgg tggtgatggg cttctggtgg gcagtgagaa 420 ggtgaccatg cagaacctca atgaccgcct ggcctcctac ctggacaagg tgcgtgctct 480 ggaggaggcc aacgccgacc tggaagtgaa gatccgtgac tggtaccaga ggcagcggcc 540 cagtgagatc aaagactaca gtccctactt caagaccatc gaggacctga ggaacaagat 600 cattgcggcc accattgaga atgcgcagcc cattttgcag attgacaatg ccaggctggc 660 agccgatgac ttcaggacca agtatgagca cgaactggcc ctgcggcaga ctgtggaggc 720 cgacgtcaat ggcctgcgcc gggtgttgga tgagctgacc ctggccagga ctgacctgga 780 gatgcagatc gaaggcctga aggaggagct ggcctacctg aggaagaacc actaggagga 840 gatgettget etgegaggte agaceggtgg agaagtgaac gtggagaegg atgeegcace 900 tggcgtggac ctgagctgca tcctgaatga gatgcgcaac cagtacgagc agatggcaga 960 gaaaaaccgc agagacgctg agacctggtt cctgagcaag accgaggagc tgaacaaaga 1020 agtggcctcc aacagcgaac tggtacagag cagccgcagt gaggtgacgg agctccggag 1080 ggtgctccag ggcctggaga ttgagctgca gtcccagctc agcatgaaag catccctgga 1140 gaacageetg gaggagaeea aaggeegeta etgeatgeag etgteeeaga teeagggaet 1200 gattggcagt gtggaggagc agctggccca gctacgctgt gagatggagc agcagagcca 1260 ggagtaccag atcttgctgg atgtgaagac gcggctggag caggagattg ccacctaccg 1320 ccgcctgctg gagggcgagg atgcccacct ttcctcccag caagcatctg gccaatccta 1380

```
ttettecege gaggtettea ecteeteete gteetetteg ageegteaga eeeggeeeat 1440 eeteaaggag eagageteat ecagetteag eeagggeeag ageteetaga aetgagetge 1500 etetaceaca geeteetgee eaceagetgg eeteacetee tgaaggeeeg ggteaggace 1560 etgeteteet ggegeagtte ecagetatet eccetgetee tetgetggtg gtgggetaat 1620 aaagetgaet ttetggttga tgeaaaaaaa aaa 1653
```

```
<210> 6967
<211> 934
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (714)...(296)
<223> similar to gi4929751 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6967
ttttttttt ttcacacgca caacttggga atttaatctt cacttttcct cccataaata
                                                                      60
tagagtgagg gtgtgatacc agccccagcc cagtctcctt ggggtctgca tctctgcttc
                                                                     120
ctggcagcct cttgagtcga cttggggatt tgacgtcagt tgctcagctc cattcctttc
                                                                     180
cttctggact tggggaggtc cgggatatgt cggggagtga gtcagtgcag gggactqaqq
                                                                     240
gggtggttcc cattcttccc tcttagcccc cttcaaccaa tgatccaagt tcaaggagct
                                                                     300
catctctgtt tttcagacca tcgagctagt gccttgaagt ctccggaaca gcgcacccag
                                                                     360
gaaggggatg ttgcagacat tgcccaggaa gccgaaggcg acagggaaaa agcccttaaa
                                                                     420
gaggctgaag aatccgtagg tttccaggaa catgccgagg aggggccagc gtaggagcac
                                                                     480
gataaccaca cccccagga ggaagctggt tcccttgagt ttgtgccgtt ggaagaagaa
                                                                     540
ccaaaaggtc ttcctcaggc caatgatgag ggacaggccc gtcaggaaca gcaggtttcc
                                                                     600
aaaggccagg agcacggaat caaagtacag gagtgttcca aagaggatga agaaqatqcc
                                                                     660
gaaaccggtg atccccacac caatcttctg ccattcggtg atggagatca tgccgcactc
                                                                     720
agcctggggg gctttccggg tggaagcggg caagtggagc gtggcccaga ggacgcagct
                                                                     780
ggtacatggt cacgggaagc tgaccettgg ttaagttgcg aaatgagect gtggcaaatc
                                                                     840
attaactctc cctccagccc ccgctccacc cccgcacacc acgcaggtgc ttctactcgc
                                                                     900
cagetecete etecegtttt eeggtaggge aatg
                                                                     934
```

```
<210> 6968
<211> 1009
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (692)...(977)

<223> similar to gi5902566 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6968
atactectge tgacceccca tectecegee eegggtetga egggggagtg eeegtggete
                                                                       60
gggctcactc ccactatctc tacggacaca tgctctccgc cttccgggac tagccatggc
                                                                      120
ecceaggget ggetteetee ttetgggttt cacaggetee tetggeeetg acceptettg
                                                                      180
ctcgttcccc ttccttccgc agctcctagt ctcgtccgtg actttccggt tgccctggat
                                                                      240
ctcagaatat attcgtccac cccctcggca ccccattacc ccgagtccca ccgtgtgtcc
                                                                      300
gttgtaagtc cggtggatgt ggctggggtt tcctggtatt gtggaggcac ccaggttgtc
                                                                      360
catgcttggg attctggggg aaggagagaa gggcagctca gggtggatgt gaagccaccc
                                                                      420
ttcctcttct ggacccagcc tggtctgcac tgcaacctcc accaggacca ggatcctggg
                                                                      480
ccacaggctg ggatggtcct tccaagaaag ggtcatttca gacgcagccc tgcttgggct
                                                                      540
attcaatctt agggtgtcta tccacgtctg gctgtgccaa atggtctggc agctggtttt
                                                                      600
ggcatcccca gcatcaccac tettecaace catcaccgtg actgcagtte etgececcat
                                                                      660
tetettgggg teagggaggg getgggaagg getaetgaag geceeattet eecacaggat
                                                                      720
ggtgaggctg ggaggaggaa gactgaggta gagattccag gccctggcat aagctgaatc
                                                                      780
ccaaatttgg gtttgggaag aaccagagag aaatggatcc ctgagctctg agccaagggt
                                                                      840
gaggatgggg aaactetaag etcecaceta ataagaagca taggcagace agccagaggg
                                                                      900
agagecaatg geetetggta geettaagee caaaaggeag tgggaatgte eeetgeeeea
                                                                      960
accategggt ggagettetg etgggetatg gggaagggag gtttetegg
                                                                     1009
```

```
<210> 6969
<211> 1533
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1525)...(1282)
<223> similar to gi2337952 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6969
ggccgcggtg gcactgcctg atgctcggcc cagtgtgccg gtgccccgct gggtgacagt
                                                                       60
ggactcccag ggcgcagcat gagcaggtga cagactgttg gctgaaggtg agggtgtcca
                                                                      120
ccctcccagg cacacgttcc agggagcacg gcactcaagc agggccgtca gactgggctc
                                                                      180
tggtgcccag aagctgtgca ggccggagag aagcactacc acccttcctg cgcgctatgt
                                                                      240
gtcaggagcg gccagatgtt tgcagaaggc gaaaagatgt atcttcaagg ttcctccatc
                                                                      300
tggcatccgg cgtgtcgaca agcagccaga actgaagaca gaaacaagga aaccagaact
                                                                      360
tecteagaga geateattte tgteeetget tecageacet cagggtetee gageegtgtg
                                                                      420
atttatctgt tgtttatagt ggtgcagaca cgtcacatca acagccgaca gttggggctt
                                                                      480
gccagacacc caggcgggac cctgcagagt ttgcaaataa cggcacggat ctgtgtacat
                                                                      540
caacacgcac gctctcccag cgtgttccct aaaagaagca agttaagggc caagcttggt
                                                                      600
ggtgagatcc tggactacag ggacttggca gcccttccta aaagtaaggc catctatgac
                                                                      660
atcgaccgcc ccgacatgat ctcctactca ccctacatca gccactctgc aggggacagg
                                                                      720
cagagetacg gegagteece teagttgete tegecaaege egacegaggg ggateaggat
                                                                      780
gaccggtcct acaagcagtg ccggacctcc agcccaagct ccactgggtc ggttagcctc
                                                                      840
gggcgctaca ctccgacctc acggtcacca cagcactaca gccgtccagc tgccaggcga
                                                                      900
tcggatgggg aggatggaag cttggaccag gataacagga agaagagcag ctggctgatg
                                                                      960
```

```
ctcaaggggg atgcagacac aaggaccaat tctccagacc tggacaccca ggccttgtcc
                                                                    1020
cacagcagcg ggaccgacag agaccctctc caaaggatgg caggggacag ctttcactca
                                                                     1080
caatacaaga totatoogta tgactoocto atogtoacaa acogaattog ogtgaaactg
                                                                    1140
cccaaagacg tggaccggac gagactggag agacacttgt cgcccgagga gttccaggaa
                                                                    1200
gtgtttggga tgagcatcga ggagtttgac cgcctggccc tctggaagag gaatgacctt
                                                                    1260
aagaagaaag cccttttgtt ctgacggctg ccagcctgcc ccactggtgt gtgccgggcg
                                                                    1320
cegaggeeag gggeeeetgg egagaacege acacacecet cecacacace ttgetetgge
                                                                    1380
ttetetgtgt ccatggggtg ggcgggaggg ggtcccccag caggtgcggc ccctgcacct
                                                                     1440
geeggegaea eteetgeegg tagtttaggg eegagaegge tagetteaeg eeaeeettee
                                                                    1500
ccgctgtggc ttggtgtcag ggataggctg taa
                                                                    1533
```

```
<210> 6970
<211> 1153
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (972)...(428)
<223> similar to gi1945762 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6970
ttttttttt ttgggtgtgc aaaacttcct ctttactgtt caactcctta caacttgcat
                                                                      60
aaaggcgtca tttctacctc agagctgggg gaagtcataa ttagtgtacc acccatgtgc
                                                                     120
tgggcacagt gaattttaat gcctcccctt tagaggagag gttatgataa tgtgaagacc
                                                                     180
ecceecace acaaaggttg teeggeactt tggtgcaaaa aggattggte caatettgtg
                                                                     240
ctggcttggg gtacagaaag gcactgaagt tggtggctca aactcctctg ggctggggtg
                                                                     300
gggcagaggt gaacagggaa gtaagtggtt tgggacaggc aggtttggat gtgggcttqq
                                                                     360
gttcttgctg acggaggtag ttggtcctgc gtgggggatg gggtggtaag ggcagcttga
                                                                     420
gcctcaggct gggtggatgc tgctgtgctg gccccatct gcccagctca ccagctcact
                                                                     480
getetggaac cacagetgga tetecegetg ggececetee aeggagtege tggegtggat
                                                                     540
gacattectg etgatgtgga egetgaagte acceettatg gtteetgggg eageeteage
                                                                     600
cgagtcggtg tgtccaatca tggccctcga ggcgcggacg acattgtacc cttcccagac
                                                                     660
catggccacc acaggcccag agctcatgta gcggatgagg gcagggtaga agggcttcct
                                                                     720
ccgcaggtcc tggtagtgct cggcaaggac gctctctggt gcctgcagca tcttcatccc
                                                                     780
caccagegtg aageeeegee teteaaageg etggateaeg teeecaacga geegeegttg
                                                                     840
cacgccatcg ggcttcaccg ccaccagggt ccgctcccgg gtccaggagg gccctccttc
                                                                     900
ctatagtece aggetgetee agageeaage tacceteegg categggtee etggttteea
                                                                     960
gaggagecca gaccetgtat gteccacaga atetggacag agecaaaggg geteegecag
                                                                    1020
gccaggagga aaagttaacc ccagcaggcg gctgaagccc acgggaggaa gacccctgg
                                                                    1080
ttggtttgtt cccccaaaac ccagtttgca gggcgccttg tgtagcctgg ggctctgctg
                                                                    1140
cggctggtgc ggg
                                                                    1153
```

<210> 6971 <211> 1127

```
<213> Homo sapiens
     <220>
     <221> misc feature
     <222> (748) ... (1026)
     <223> similar to gi501027 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6971
tttcgtcctg ggtcctgagt ttgagaaagc agagcctcgc cccaqcaqqt actcacaqcc
                                                                       60
agagtgeggg ggccccagca ggttctcaca gccagccggt gggtgcacct cagagcacag
                                                                      120
gggcccagag ccaggccact ccttcagggc cccaggtcgc ttgctgccag ttttggcctg
                                                                      180
tgagctcact ggcctcagtg ccaggtaagg acagccacct tcctgggaag aagaggtgac
                                                                      240
ccegggtctg gtggatttcc cacaggggcc gtcagaggat gtccacagag gcagagccct
                                                                      300
tggggcctgt gggctgggtt gggctggtgg atgtggggcc tgggacttct ccaqaaqctt
                                                                      360
acticctgct gcatgctitg ccgactgtcc ticcacctct aagtgtccat cqtqcctqtq
                                                                      420
ggggctgctg caggctcctg ctccgtcagc ccacctgctg ctgcgctgct ctgggagcga
                                                                      480
gctccctcat ggcatctgga acgctctcct gtcctccctq tqctcaqqqc tqqaqaqaq
                                                                      540
gtggcggggc tgcgggctcc ccgqqccttc tqqqcccaqc cctqccacct qqqcccacct
                                                                      600
ceteteactg tetetggete aegetteeeg ggeetggage tgggaeetge ceataggeat
                                                                      660
ctgaagacac gtcagcctca gccgggggga gcccttgctt gacgctctct ggcctccggg
                                                                      720
ctgcctctcg cgcccgctct gggcccgctc ttcttctcat gatgtctttc ctttcacctc
                                                                      780
ctgcgttgtc tgacatcgtc gctctcttca taaattgtag cgttttatgt tttcgttcat
                                                                      840
aggagtgttt tatttgattt ttctttattt taaattatta catttaagtt ctttttattt
                                                                      900
tatgctctag gttttgaagt ttttctaatt tcttaatttt tttgttgttt tttgtttgt
                                                                      960
tttgtttttg tttttatgta ctgtattttc agtgttttaa ccaaacagtt gtggctactc
                                                                     1020
atggtgagga atgaccgcta agagtttggg ttctttcagt gcatttggag gtcactgcta
                                                                     1080
cacgttgatg tttagcagct tgagaggttt gcctttagtg tccacag
                                                                     1127
     <210> 6972
     <211> 1491
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (870)...(672)
     <223> similar to gi65184 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6972
ttaattaaat ttaatcccag ggaaattaga tgtcgaattt gaacacctaa ctttccatgt
                                                                       60
acteteteat ttttgtegga agtgttteta tactetaatg cetttacaaa tgtgattttt
                                                                      120
ctcttagctc gtttgaagta tgagaattag agtttttggt ctcgcattca cctgctacat
                                                                      180
ctaggattgc ccactgtcat gactcccagg gaaaaggtcc tatcttaggc ttcctcctcc
                                                                      240
ctactttcct ctacatgggt cagcactgta atgtaggcta aggatatagg taagggcatt
                                                                      300
```

<212> DNA

```
qctccctccc ccctacactt caagggaqtt cacaggtcta atggggggag ttcaggaagg
                                                               360
ccagagtatt aatateeeca tetgtgtett ttgeetteea tgaacetggg ttttgageee
                                                               420
tctcttgtaa aatgggcaca gtaatattac ctacctcagg gagttgtgag gattaaacat
                                                               480
gaaqtqctaa gcatagtgcc tggtacaaag acagtactca ataagtgcta cctaaaacta
                                                               540
gtattcatag caatactgtt aggataaaga attatcatat atgagatagt tccaaatttt
                                                               600
tgtttttta aaaaaaaaa agttttataa gttcaagata atattttctt acttcaaaga
                                                               660
aacaatctca caacqaqqqa atqqtaaqaa tcaqqaqaqa ttactaacct qqcaqaqqaq
                                                               720
ctatcacaat cacaaaggtg gtttttccag ggcacggctc atccattaca ctccagatgt
                                                               780
gctgacccct gccatttccc caaatgtggg aaacccaact gcacagtttg tagtagtggg
                                                               840
tqactqtqtt catqcqctcc cctqaaaaca acaacaacaa caaaqaatca qaaqaqatac
                                                               900
taggctgtct aattcctaaa tccaaacctg atatttctaa gtaagattat aagaattttt
                                                               960
1020
tattatttct tagaataata ctaattataa aacaaaattc tgtatatcac atttaaatgt
                                                              1080
aatttaatag aattataatc acaagacaag accaaacttt gttgataatc ctcagtaatt
                                                              1140
gcgaaagggg tatatacatg taggccagca tacatgcata aactacttct tattqctagt
                                                              1200
ctaattgatc catatgtagc aaatacagca gttcagcaat atcttgtgct tacagggtcc
                                                              1260
taagcagagg tgatgagtca agtgtaaata tatatatat tttttttatt tttcatggca
                                                              1320
attgtatatt agtaacctgg ggagaaaagg tttattgaca accactctga tccatctgct
                                                              1380
gctattttta ctgctaattt ggtgcacatt aaaaagaatg atcatgaaaa qatattactt
                                                              1440
1491
```

```
<210> 6973
<211> 1976
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (296)...(1147)
<223> similar to gi3924670 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6973
aattteeegg gtegaegatt tegtgeaace etetggagge agegegeeeg egggeageet
                                                                       60
cgttgtggct ccttgggctc tgttggcggc ggcgctagct tcggagtctc ccgcgcgcac
                                                                      120
ctcagccgcc tcctagcggc gcggcgctcg ctcctacgcc taaaatgacc aatqtqtqat
                                                                      180
ttcagtggaa taaatggcgt ccaaagtcac agatgctata gtctggtatc aaaagaagat
                                                                      240
tggagcatat gatcaacaaa tatgggaaaa atctgttgaa cagagagaaa tcaaggggct
                                                                      300
aaggaataaa ccaaagaaaa cagcacatgt gaaaccagac ctcatagatg ttgatcttgt
                                                                      360
aagagggtet geatttgeaa aggeaaagee tgaaagteet tggaettete tgaecacaaa
                                                                      420
gggaattgtt cgagttgtat ttttcccctt tttcttccgg tggtggttac aagtaacatc
                                                                      480
aaaggtcatc tttttctggc ttcttgtcct ttatcttctt caagttgctg caatagtatt
                                                                      540
attetgetee acttetagee cacacageat acctetgaca gaggtgattg ggeegatatg
                                                                      600
gctgatgctg ctcctgggaa ctgtgcattg ccagattgtt tccacaagaa cacccaaacc
                                                                      660
tcctctaagt acaggggta aaagaagaag gaaattaaga aaagcagccc atttggaagt
                                                                      720
acatagggaa ggagatggtt ctagtaccac agataacaca caagagggag cagttcagaa
                                                                      780
ccacggtaca agcacctctc acagcgttgg cactgtcttc agagatctct ggcatgctgc
                                                                      840
tttcttttta tcaggatcaa agaaagcaaa gaattcaatt gataaatcaa ctgaaactga
                                                                      900
caatggctat gtatcccttg atgggaagaa gactgttaaa agcggtgaag atggaataca
                                                                      960
aaaccatgaa cctcagtgtg aaactattcg accagaagag acagcctgga acacaggaac
                                                                     1020
```

```
actgaggaat ggtcctagca aagataccca aaggacaata acaaatgtct ctgatgaagt
                                                                     1080
ctccagtgag gaaggtcctg aaacaggata ctcattacgt cgtcatgtgg acaggacttc
                                                                     1140
tgaaggtgtt cttcggaata gaaagtcaca ccattataag aaacattacc ctaatgagga
                                                                     1200
cgcccctaaa tcgggtacta gttgcagctc tcgctgttca agttccagac aggattctga
                                                                     1260
gagtgcaagg ccagaatctg aaacagaaga tgtgttatgg gaagacttgt tacattgtgc
                                                                     1320
agaatgccat tcatcttgta ccagtgagac agatgtggaa aatcatcaga ttaatccatg
                                                                     1380
tgtgaaaaaa gaatatagag atgaccettt teateagagt catttgeeet ggeteeatag
                                                                     1440
ttcccaccca ggattagaaa aaataagtgc tatagtatgg gaaggtaatg attgtaagaa
                                                                     1500
agcagacatg tetgtaettg aaatcagtgg aatgataatg aacagagtga acagecatat
                                                                     1560
accaggaata ggataccaga tttttggaaa tgcagtctct ctcatactgg gtttaactcc
                                                                     1620
attigittic cgactitcic aagciacaga citiggaacaa cicacagcac atticigcitic
                                                                     1680
agaactttat gtgattgcat ttggttctaa tgaagatgtc atagttcttt ctatggttat
                                                                     1740
aataagtttt gtggttcgcg tgtctcttgt gtggattttc ttttttttqc tctqtqtaqc
                                                                     1800
agaaagaact tataaacagg tgggtataat gtagacttcc gaataagaat attttatcgt
                                                                     1860
tttcataata ttaaaagtat tcctgaagta ctttattatt tcattatatc atttttacct
                                                                     1920
aattattttt tttttttgct tttatagtac ctaaccaaat aaaatcttaa caattc
                                                                    1976
```

```
<210> 6974
<211> 6248
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (388)...(3582)
<223> similar to gi5689559 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6974 geggecagae taggeceaag cegeggtete gagtaggeee gagaeggeeg ggeegagggg 60 aatgttgtgg aggaggctgc gtctgaagca cggttgagcg gctggcgccg cgcqqaccca 120 gcggagggc tgcgaggga aggcgagcga ggttcccggc ggtacgggga ctatcccaga 180 attttacgcg cgtcgccgta ggggccggaa ctaccggacg agcctccgct gaggcgcttc 240 gcagtcccgg agctagcccg gctgccggcg tgtcgctggg gctgagctcc gcgggcgtgg 300 agteettgea geecaaagea tgaggaggte eetgtaggat tetggaetga agaegttett 360 gtcaggtttg gggcgtgagg aggttcctgt cagttgggga agcgttaaga ttcctctatc 420 gtccagagag gacgcgtgct gccgcctccc gcccctcttg acacgacgaa cctggccggc 480 cgcagaacgc tccagggccg agcgaagatg gcctcggtgc cggtgtattg cctctgccgg 540 ctgccttacg atgtgacccg cttcatgatc gagtgtgaca tgtgccagga ctggtttcat 600 ggcagttgtg ttggtgttga agaggagaag gctgctgaca ttgacctcta ccactgcccc 660 aactgtgaag tettgeatgg geeeteeatt atgaaaaaae geegtggate tteaaaqqqq 720 catgatacac acaaggggaa accagtgaag accgggagcc ctacgttcgt cagagagctc 780 cggagtagga cttttgacag ctcagatgaa gtgattctga agcccactgg aaatcaactg 840 accettegaat teetegaaga aaatagette agtegteeca teetegeteet qaaqaaqqat 900 gggttgggca tgacgctgcc ctcgccatca ttcactgtga gggatgttga acactatgtt 960 ggttctgaca aagagattga tgtgattgat gtgacccgcc aggctgactg caagatgaag 1020 cttggtgatt ttgtgaaata ctattacagc gggaagaggg agaaagtcct caatgtcatt 1080 agtttggaat tctctgatac cagactttct aaccttgtgg agacaccgaa gattgttcga 1140 aagctgtcat gggtcgaaaa cttgtggcca gaggaatgtg tctttgagag acccaatgta 1200 cagaagtact gcctcatgag tgtgcgagat agctatacag actttcacat tgactttggt 1260

```
1320
ggcacctctg tctggtacca tgtactcaag ggtgaaaaga tcttctacct gatccgccca
                                                                     1380
acaaatgcca atctgactct ctttgagtgc tggagcagtt cctctaatca gaatgagatg
                                                                     1440
ttetttgggg accaggtgga caagtgetac aagtgtteeg tgaagcaagg acagacaett
                                                                     1500
tteatteeca cagggtggat ceatgetgtg ctgacgeetg tggactgeet tgeetttgga
                                                                     1560
gggaacttct tacacagcct taacatcgag atgcagctca aagcctatga gattgagaag
eggetgagea cageagacet etteagatte eccaactttg agaceatetg ttggtatgtg
                                                                     1620
ggaaagcaca teetggacat etttegeggt ttgegagaga acaggagaca eeetgeetee
                                                                     1680
tacctggtcc atggtggcaa agccttgaac ttggccttta gagcctggac aaggaaagaa
                                                                     1740
                                                                     1800
gctctgccag accatgagga tgagatcccg gagacagtgc gaaccgtaca gctcattaaa
gatetggeea gggagateeg eetggtggaa gacatettee aacagaaegt tgggaagaeg
                                                                     1860
agcaatatet ttgggetgea gaggatette ceageegget ceatteeeet aaccaggeea
                                                                     1920
                                                                     1980
gcccattcca cttcagtgtc catgtccagg ctgtcactgc cctccaaaaa tggttcaaag
aagaaaggcc tgaagcccaa ggaactcttc aagaaggcag agcgaaaggg caaggagagt
                                                                     2040
tcagccttgg ggcctgctgg ccagttgagc tataatctca tggacacata cagtcatcag
                                                                     2100
gcactgaaga caggetettt ccagaaagca aagtteaaca teactggtge etgettgaat
                                                                     2160
gactcagatg acgactcacc agacttggac cttgatggaa atgagagccc attggcccta
                                                                     2220
ttgatgtcta acggcagtac gaaaagggtg aagagtttat ccaaatctcg gcgaaccaag
                                                                     2280
atagcaaaga aggtagacaa ggctaggctg atggcagaac aggtgatgga agacgaattt
                                                                     2340
gacttggatt cagatgatga gctgctgatt gacgagagat tgggaaagga gaaggcgacc
                                                                     2400
ctgataataa gaccaaaatt tccccggaaa ttgccccgtg cgaagccttg ctctgacccc
                                                                     2460
aaccgagttc gtgaaccagg agaagttgag tttgacattg aggaggacta tacaacagat
                                                                     2520
gaggacatgg tggaaggggt tgaaggcaag cttgggaatg gtagtggcgc tggtggcatt
                                                                     2580
cttgatctgc tcaaggccag caggcaggtg gggggacctg actatgctgc cctcaccgag
                                                                     2640
gccccagctt ctcccagcac tcaggaggcc atccagggca tgctgtgcat ggccaacctg
                                                                     2700
cagtecteat egtecteace ggetacetet ageetgeagg cetggtggae tgggggaeag
                                                                     2760
gatcgaagca gtgggagctc cagcagtggg ctgggcacag tgtctaacag tcctgcttcc
                                                                     2820
cagcgcaccc cagggaagcg gcccatcaag cggccagcat actggagaac cgagagcgag
                                                                     2880
gaggaggagg agaacgccag tctggatgaa caggacagct tgggagcgtg cttcaaggat
                                                                     2940
gcagagtata totatectte actggagtet gatgatgatg accetgettt gaaatetega
                                                                     3000
cccaagaaaa agaagaattc agatgatgct ccatggagtc ctaaagcccg cgtgacccca
                                                                     3060
actictgccga agcaggaccg tectgtgcgt gaggggacce gggtagcete tattgagaca
                                                                     3120
ggtttggctg cagcagctgc aaagctggcc cagcaggagc tacagaaggc ccaaaagaag
                                                                     3180
aaatatatca agaagaagcc tttgctgaag gaggtagaac agcctcgccc tcaagactcc
                                                                     3240
aatctcagtc tgacagtacc agccccact gtggctgcca caccacaact tgtcacctcc
                                                                     3300
tecteacece tgeetectee tgageetaaa caagaggeee tgteaggaag tetegetgae
                                                                     3360
catgagtaca ccgctcgtcc caatgccttt ggcatggccc aggcaaaccg cagcaccaca
                                                                     3420
cetatggece ceggtgtett ettgacecag eggegeeett eagttggete ceagageaat
                                                                     3480
caggcaggac aaggaaagcg tcccaaaaag ggcctggcca cagcaaagca gagactcggc
                                                                     3540
cgtatcctga aaatccacag aaatggcaaa ctacttctgt gagccctcct gtgtcccacc
                                                                     3600
cctcacccct ttacccccat tgccttctcc attgtcaact cttggggcac tcctggatcc
                                                                     3660
tatctgccct ggacaaggtg ctgaggtgca ttgtcctgct ttcttgggac ttaccaaagg
                                                                     3720
cacggacccc tccaccgact ccttctagtt cccttcccca ctttcactag agcatcctgc
                                                                     3780
ctgccttctc cactgaggag caggtaaatg ggagaggttt ccagctgact agaaccctct
                                                                     3840
tttctactcg tccaaaccac tcccgtcacc tgccttgtct gttctttatt cttcatcccc
                                                                     3900
cgctagagct ggaaggcagg atgaggagag gtatgaagga gcctgagcca tgaagtggga
                                                                     3960
agcccagtgc ttgacacttt ctgcaactct agccctatat ccagaagcct gcccacctcc
                                                                     4020
accoattoty titigococat ticocoagic cagiggacat gococaccic cagacitique
                                                                     4080
catgggagaa ggctgtggtc tctgccccct cttgccaaat gcttcatgga aatgaagagg
                                                                     4140
aaggcctaga gcctccttcc tgccccactg tgggccattt ccagaagtgg cctagaaatg
                                                                     4200
ccaacttcac ttacctttca aaagaaaggt gattcctatc acttgtcaag gtagggagag
                                                                     4260
gtcagatgcc caagcctttg accacggttt tgtagcctgt tggaggaagc tacttttagc
                                                                     4320
tggctacaca tgaggccact tgttttaggg tgagctccag ggatttgcct ggattttgaa
                                                                     4380
atcatgtaga acattateca egtggetgtg getgtggetg tggetgggee etggeaggtg
                                                                     4440
gaaaaccatc tcccagaaac ctgaaagcac ctgccaatga cgcagataac cctggcccta
                                                                     4500
cagectgett geteegeeta taccacagag cacageetgg acattatgga gggtgtggeg
                                                                     4560
ggacggccca cacctggggt cctccatcgg gaacttttca tgcttctttc tccacctgag
                                                                     4620
gtcttggtct gaagaagacc tcaggactca catcttcact cctgggcctt tgcacttcca
                                                                     4680
```

```
gacgacaggt catcgttcaa gcagaatgca gacaggccat tcacgagccc aagttgaaga
                                                                  4740
gaagagacgc ccatccgtga aggagcagac catccatccg atcctcccct tcccctqtcc
                                                                  4800
ttccttcgtg gattgtctcc attgtccaga cagtgccccc acctcccacc gccttgcctc
                                                                  4860
actggcaatc tggactcgat ggagaacatc ccccacctc catttggcac tacccaaqtq
                                                                  4920
gagtgtaccc ttgccctttc cacctgtacc acccactcca acctcacccc agcttqccca
                                                                  4980
atgettetgg ggaatttaat agetaceatg caggecacag ggaatttqtq aqqettettt
                                                                  5040
tgtcatcttt gtatctccag tttgtctttc ttttctccat agccctgcct ctactttcct
                                                                  5100
tccttgggaa tcaggggttc ctttagccca tttgctttct ctaccttggg gaccccaggg
                                                                  5160
gccaagcagt tetecateta gtcacaccaa aggcaaaaag cetggetace tececectag
                                                                  5220
cacgtgagtc cctactcccc teccetetgt ttetgeccag etttgettat tttggggatt
                                                                  5280
tcaaggcagc agagggtagt gaggggagag caggagaagc ctctgtcctg tataggcaac
                                                                  5340
tgcctgacta tgcggtgact gctgtaacca agatcaggtc cccagccctt ttgtccatta
                                                                  5400
acaccectte ttgatettte aaaggeaget aattgetage aaateeeece gatteeggee
                                                                  5460
ttttccctct atttctttgt tagaagtttt ctgtggagct gaaacccagc ctctgtttga
                                                                  5520
ctgggtttca tttagcttag ttgggttctt agagccccct gtttgttgtt ttgtgttgtt
                                                                  5580
tccaatgaaa agcaagttta ccctcagagt tatgcttttc caaagaggct gatgtctttg
                                                                  5640
5700
gttagtaatc aaggtttaga acaccatgag atagttaccc ctgatctcca gtccctagct
                                                                  5760
gggggctgga cagggggaag ggagagagga tttctattca cctttaatat atttttacaa
                                                                  5820
aaaaagcaaa caatttaaaa acaagcccac cgcttctgta catgtctaaa tatattttta
                                                                  5880
gaagtgggta ggattgtgaa tttctgatgc agggcctttt tataaatagg ttagggtagc
                                                                  5940
atcattcaga cttctctgtt gtttttgtcc ctgtcttttt cttatgttgt gttactaatg
                                                                  6000
taatttatat tttttttaga tcctcccttt cctatagaga taaaagtgat ttatcttqqc
                                                                  6060
aattgctttg cttggcattc tttttttttg tgatgagggt ggtggtgtgg tgcagggtct
                                                                  6120
gggagtgctg cetteteett gtactetttg teteteette ageaagttgt caggeattte
                                                                  6180
cctggtgctc agccttatgc ttgaagtggg aagggtattc ccacctcag gagggacacg
                                                                  6240
cttcacac
                                                                  6248
```

```
<210> 6975
<211> 2085
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (781)...(785)
<223> similar to gi3646270 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6975
agaaaggcca attttctttt tattttttat gactcacaac ctatatgggt taatgtatca
                                                                       60
caatactatc tccattttct cttttatggg caaaaagtca ttagataatc tgcctaagta
                                                                      120
taatagaaaa atattaagct agattaagaa aaatatttgg ataaaatatg tgaattaagt
                                                                      180
gtaaaatcct tttggataaa atatgtgaat taagtgtaaa atccttaata ttcccaaggc
                                                                      240
ttgggcaggt cacctctttg agaaaaatga ggtggttaag gtcaaatctg taggaagaaa
                                                                      300
atgcattatt ttgaaaggag taacaattgc tttaaaattt aatttacagg tgcaattatt
                                                                      360
tgtgaagtct gaaactaata actatttcag aattttaaag aagaaaatgg ctaatataga
                                                                      420
caggattact aattcaaggt attccaagtt tttgttaata aagaccagcc acttttaatt
                                                                      480
agagatccaa gtcttaatgt aaaaatcagg ctttccaaag tctcattaac agatatatta
                                                                      540
aaggcgacta ttttatgact tactgaacta aaaaaaagag tcaaggtgac ctcattaaag
                                                                      600
```

```
atatgtcgtt catttattct gaatcttata ttgatagata ataccagaag atttcagcat
                                                                      660
agcagataaa atacagcaaa tcctaaccag cacaggtttt agtgacaaac gggcccgttc
                                                                      720
catggacata gatgacttca tcaggtaatt acatttttgt tttcctaagt gtttacattt
                                                                      780
ctttactgtg acaccttcag attggagatt ttaaaggctt ttaaggcggta taaggtgcta
                                                                      840
cctgggagag ttattgcata gcacttccat ggcatggaat agtatttggt gtagaagatg
                                                                      900
gaggctagtt agctgcagca gaatgaacat tttctttaag aacagtagta aagaacagtc
                                                                     960
cqaqccagaa aqattqccct ttgtqttaat qtqqqtqtqc aqqttcccaa tqtqqqttqt
                                                                     1020
gcaggttcct cccttcctgc tccttcccca actctcattc atagtcttag tcttaatagc
                                                                     1080
ttatccctcc aaaatagtcc ataaggtaga aaaatcataa tacatgtaac tgqatctqat
                                                                     1140
ttttaaaatt tccttactgg gaatagctgt tgttaaatca atcttaagca tacaataatg
                                                                     1200
ccagttagaa tcctacctgg ttatccattt aggaataata cagttttgta gcctgaagca
                                                                    1260
agttctacac ttctcaagta aaaagctgtc ataattatct aggtaattta gaccaaaatt
                                                                    1320
tgttttgctt gaattaagca agtaagtctt atgaaaacag aataaggctt caattaatta
                                                                    1380
cccaggtaat tactaacctg tacttactgt ttttaatcat taagatgtta actttcagaa
                                                                    1440
ggtcttgcct atttagccaa ttcactttta aagcttccat gttctagagg ctgaataaaa
                                                                    1500
aatgagagta gattgttcta aaagtcattg gtttgacttt ttctaagctg gaaacacagt
                                                                     1560
tctatataac taagacaaat ggagtttata ttttattggc tggctagcag tactactgag
                                                                    1620
tcattttaga tgttaatcct aggcattgaa tactattcat aaatatctac tttqcttttt
                                                                    1680
tagaaattta totggacotg tttotatggg coagoctaaa cataacotca qqtotaaaqa
                                                                    1740
gaaatatttt ctctttttct tcattttcac taaatttcct caaagttatt gggcatgtgc
                                                                    1800
agtttactaa ctagaatcta ttaagtacat aggtatctac agagagaaac aatgtgtatt
                                                                    1860
taatttgaat ataaacaaca gctcaagaga ggaagaaggg gcatgtaaga ttggtttttc
                                                                    1920
atotgactic tgccaattcc aaacagctic ttgttcagtt accttgaaac aaatqccaqt
                                                                    1980
gagttettag geetgggata atgaaagtet aagataattt tagteaaatt cattacgaca
                                                                    2040
taaaggetet aatgaaagag geaceaacat ggeatggttt taace
                                                                    2085
```

```
<210> 6976
<211> 957
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (157)...(289)
<223> similar to gi205610 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6976
tttcgtgggg aagaaagggg cgaggagagg atgtggtgac gctggggggc accgtggtgg
                                                                       60
cggagggggc ctcgccaaag ggaggctttg gcggggagaa gtggccgagg agagtggggg
                                                                      120
ggctggtgac atcageceet eggaaaggat eggageggtg etggagaate tggtaaaage
                                                                     180
accattgtga agcagatgag gatcctgcat gttaatgggt ttaatggaga gggcggcgaa
                                                                      240
aaggacccgc aggctgcaag gagcaacagc gatggaatat aatatcccta gatgatggct
                                                                     300
acagtttete atettecegg ctatgteeta teacaatttg catgetggaa ttgeteggte
                                                                     360
ttaggaactt ctaataagaa tactattctg ttatctgagg ggggaggggg gatggggcc
                                                                     420
ctgctacctg accttaaacg atgattgaaa aaacgaaaaa tggactgaaa tccttaattg
                                                                     480
gcagaaatgt agtatgacaa ctatccaaaa aggcatctct ataagaaatg actaattgac
                                                                     540
aatctgctgt accaaaagtt ggcatttgag caagatatga caagtcctta gtgagcaacc
                                                                     600
tactgtgtac tagatgtcct gctaaaccct tgaaccctac taataccttg gcctgcacgt
                                                                     660
ctctctcact ctgttctgca agtcaatata agtattaaca ttcgtgataa ataaaaattc
                                                                     720
```

```
tetgeatgtt teageaatee etgtateteg egtetgtett etgtetteet teetttgtet 780 gtettttee accaaageae aaggattaag gtggagaeet gaatagette eeceaceaet 840 tagttagetg aageggggg aggggaggag etettaaaaa etgaaegeat eecatetget 900 gtatacatag aaggggagg aggaggaace aagaceetaa aagtaettee ageettt 957
```

```
<210> 6977
<211> 2468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (386)...(2221)
<223> similar to gi560153 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6977 cataacagcc cggatctaac accetectec ceeteacaca ggcaccatgg catgeceeet 60 ccaagettge cagagetcag aataaccetg agaaccaege ageaggatgg caagggetce 120 gettggggte etgeteetea tggggettet eggtaeggae aggggetaga ggggeaattg 180 gacacacaca gatactgaca tgaagggact gggaagacaa agacagagac caagatggag 240 acttagacac agtatttcgt tcccaggcac agcataattg gtttaggaga tctgatactg 300 atagtacact gcctcagagg cctgtgagga cccaggggag gcagagggga gagaggtgct 360 ccagcetett cattgccaat gaccetteet tettgacece ategcaggea ggggtgtggg 420 gaagaacgag gaactgcgtc tttatcacca tctcttcaac aactatgacc caggaagccg 480 gccagtgcgg gacgctgagg atactgtcac catcagcctc aaggtcaccc tgacgaatct 540 catctcactg gtaagctacc cccaccctca tcttaagcca aaaatcccac ttctggcccc 600 aaccgctgag ctctgtccta aagctcactt ctggccctga aatctcactt caatcatcc 660 catctcccat ctgcagaatg aaaaagagga gactctcacc actagcgtct ggattggaat 720 cgtgagtcaa atctggggaa tggtgtgagg tcttgtccag ggcacccctt ttcccccaaa 780 ecceteceag geagegeeag gtgggagatg cagggeaege ggeettecat ecceeaecee 840 ttaggattgg caggattacc gactcaacta cagcaaggac gactttgggg gtatagaaac 900 cctgcgagtc ccttcagaac tcgtgtggct gccagagatt gtgctggaaa acaagtgaga 960 accgggccag acgccaggct ggagggaagc cggcctgggg tgcgggctgg acttggttgg 1020 ggaagggggt actctgagag ggtgcagacc tgtgcaaaaa gctcggtttc cccgagccca 1080 cagtattgat ggccagttcg gagtggccta cgacgccaac gtgctcgtct acgagggcgg 1140 ctccgtgacg tggctgcctc cggccatcta ccgcagcgtc tgcgcagtgg aggtcaccta 1200 cttccccttc gattggcaga actgttcgct tattttccgg tctcagacgt acaatgccga 1260 agaggtggag ttcacttttg ccgtagacaa cgacggcaag accatcaaca agatcgacat 1320 cgacacagag gcctatactg agaacggcga gtgggccatc gacttctgcc cgggggtgat 1380 ccgccgccac cacggtggcg ccaccgacgg cccaggggag actgacgtca tctactcgct 1440 catcateege eggaageege tettetaegt cattaacate ategtgeect gtgtgeteat 1500 ctcgggcctg gtgctgctcg cctacttcct gccggcgcag gccggcggcc agaaatgcac 1560 ggtctccatc aacgtcctgc tcgcccagac cgtcttcttg ttcctcattg cccagaaaat 1620 cccagagact tctctgagcg tgccgctcct gggcaggttc cttattttcg tcatggtggt 1680 cgccacgete attgtcatga attgcgtcat cgtgctcaac gtgtcccage ggacgcccae 1740 cacccacgcc atgtccccgc ggctgcgcca cgttctcctg gagctgctgc cgcgcctcct 1800 gggctccccg ccgccgcccg aggccccccg ggccgcctcg cccccaaggc gggcgtcgtc 1860 ggtgggctta ttgctccgcg cggaggagct gatactgaaa aagccacgga gcgagctcgt 1920 gtttgagggg cagaggcacc ggcaggggac ctggacggct gccttctgcc agagcctggg 1980

```
egeegeegee eeegaggtee getgetgtgt ggatgeegtg aacttegtgg eegagageae
                                                                    2040
gagagatcag gaggccaccg gcgaggaagt gtccgactgg gtgcgcatgg ggaatgccct
                                                                    2100
tgacaacatc tgcttctggg ccgctctggt gctcttcagc gtgggctcca gcctcatctt
                                                                    2160
cctcggggcc tacttcaacc gagtgcctga tctcccctac gcgccgtgta tccagcctta
                                                                    2220
gctcgcaccg acttcaattt cccacccatc tccagtagga aattgatttt gaaaaagtag
                                                                    2280
getgeegeea ceaeggeatt atgateeett eeeeetgetg ateaatetge agtttgtgaa
                                                                    2340
ettcacaaga atggtgtgtg cccgttccct ggcgtgtgta ggcctggccg cagtccaggg
                                                                    2400
gtcagcagga ggaaagggtt cacataggct ctcaagtgcc agtcttccag aaagcaagga
                                                                    2460
ctgccctt
                                                                    2468
```

```
<210> 6978
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (275)...(146)
<223> similar to gi1480863 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6978

tttcgtgagc tcgcgtgcag gagtcactgg gtgtgcgtgc gtgtgttatg ggtttgattc 60
cagagcaggt tgcacattgg tcctgggtgg ctcgcaggct caggtcgtgc ttgggcgtcc 120
tcctcctaat cgtttccgaa gtagcagcag cagcaccacc accagcagca gcagcagcag 180
cagcaccacc accagcagca gcagcagcag cagcagcag cagcagcag cagcagcag gagccgccg 240
cggcaacatc gagctcagcg gcacagcagg cagaactgtg cagaagcgag caccgtttgg 300
ggagtccggg gggcggtaa gagggaggag ggggaaagcc tgtcttggtc tttgggatta 360
ttttttttcc ccttccttcc ctt
```

```
<210> 6979
<211> 651
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (424)...(7)
<223> similar to gi65184 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters
```

<400> 6979
tttcgtgctg ctgcttcgcc acctgctgct tcgccacgaa agagttcccg tgccgtggga 60

```
gcaagtctgg gacctctggt cggaacggag agtcgcagct gtgtgttagg gctaggatgg
                                                                      120
ctccgttatg cgcgtgaggc aagtgacctt gcgtgtaaag ggtgaggaat atgaggctqc
                                                                      180
ggcggggcgg aggggcgcga gcttatactt atgtttatct qacaqaaqaa atqttatqat
                                                                      240
cacgaaggtg gtttttccag agcaaggctt agcagtttta ctgtggatgt gctgacccct
                                                                      300
gtgatttccc cgaatgtggg aatcttgatt acataatttg tggcagtggg gaactgtgtc
                                                                      360
tgtgtttttc cctgggttgt tgtcgtttta aaaqtqqatt ttqtttqctq tqqaaqcata
                                                                      420
tacaaggcgt tagtataaac taataaacag gtctttgttc ccatctgtaa cttactttca
                                                                      480
aagtaaagat tttgccaggt agtggttggt tctcacgctt gtaatctcag tagtctgtga
                                                                      540
gatgcattga taactttatg ttaataccgc tcgagctctg gagtttgatg tcagtgtgt
                                                                      600
caaatatggt ggacccgtct ctactaatct cttaactttt ttttttgttc t
                                                                      651
```

```
<210> 6980
<211> 2035
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2036)
<223> n = a,t,c or g

<220>
<221 misc_feature
<222> (1)...(676)
<223> similar to gi5523990 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6980 ttttttttt ttacacaatt ctctagttta tttgtccgaa ataaatacaa cctgagaaca 60 tccatttcaa tgtccccaaa cactatttat cccctgaaaa agcagcttaa aatatgggtg 120 cacattttgc agettatgtt ctttggttag getetgaagg gtgtttgttc tgggetggge 180 taggctgggc ctagctgtag agacacacct aagttccgtt ctctgtttgg aggctgcacc 240 cageetgagt ecceaceagt eccetecaag ageeetgatg etgetteegg ageacetgte 300 ttcattgcct ctcccttctg cagcctgaaa ggagggatgt tcaggactct gcagctctgt 360 gtccagccct tgcagagagc tttgtcctct gacatcagct accacacagg ctcattctca 420 actggcacag aaagggttac ttctgaccct acagcagctt acccagggca aagtgagaga 480 aactgaagca cagctggtat atgggtttaa agtactctcc ctttaaccct gccaggaggc 540 tgagagtece taaaaaatac agaaggggac actgcctgcc tactccagtt attccctggg 600 gccctgggcc actagggagc aggaggacgg ggaggccaca ggccaccctt tgtctcctct 660 ttgtgggtga ggctcagagg attgggtcca tgttctcctg gtctgaggct gcctcatcat 720 catctgggga ctccagactg aggctcctgc cccgccgcag ggtggcatag aagtgcagca 780 cacgggggtc acagcgaacc gccatggggt caaagtccag cacacgtagg ccctgcaggc 840 tgcgggcccg agaaagggcc acataggcct ggccactggc aaacacacgg cccagagaaa 900 tetecacaca atecagggte atgeettgge tettgtggat ggacategee caggecaget 960 ggagggcag ctgctgccga ctgaggagct ggcccccggt ggcctgcacc gtccagcggt 1020 cagcgtggat gacctcagtg actccacaca ggaaccgcac ctggggtagc cctctccctt 1080 ctgcctcgaa cccaactacc acccctcggg caccattcac caggccccga gacaccgata 1140 agtttttcac cagcatcacc tgggccccca gctttagttg aaggagctgg ctaacaggac 1200 actgggcatc cagggtactg gccagctcag ggttgctgtc catagcctca aatctgtgta 1260 ccttacctgg cagctcctga agccgcctct cgttggtgag ggccacatca tcctggtggg 1320

```
tgcagageet egtggeeaea ateceatete geeceaeett gtgggaaget gtggeetgga
                                                                     1380
gctggcgggt cacctcatct gaacacctgc ctaacctcac ggcctgcaqt aaaaaaaaga
                                                                     1440
aggittggit tgcctgcctc cccccttqq tcagctccaq qqtcactqqc acaccccttt
                                                                     1500
ttcaggtttt ggactggaaa caaaaccgtg ggggctggga gcccttggtc acaggtggca
                                                                     1560
gctgcaaaaa gtccccccag atgatgagct ggatccctcc gaatggcttg ttttgctgcc
                                                                     1620
ggacagettt ggccccggcc tecaqtttqt caaacaqqtc tqcctccacc attqaqatct
                                                                     1680
cgtcaatgac caaccgctgg cagttcagcc agccctgccg cacgcctggc ctttgggcca
                                                                     1740
gggccacaca ctgggctaga ggagcctggc ctgagccgat qcctqcaaaq qcatqqaqqq
                                                                     1800
tggtgccccc gatgtggcag gctgccaccc cagtgctggc agtggcctca gtgcctgtgg
                                                                     1860
ggggcagtga gcccaggatt cgctttagca gatatgactt ccctgttcct gcgctcccag
                                                                     1920
tgaagaagat getetggeet tteagggegg eeeteageae ageageetgt teeteagaaa
                                                                     1980
gctgtggctt ggctcgtgcc gaattentac aggccggtgc aaggggnnnt ccatt
                                                                     2035
```

```
<210> 6981
<211> 1027
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (452)...(651)
<223> similar to gi536845 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6981 cgatttgact ataaaaatat gccaacatca atgatgacac aaatgttaga attatctggc 60 ttagcttgca aagcagccat cataaaaata ctccaatgaa caattaaaac attcttgtag 120 ctaatgaaaa tttatttgga aagcttcaac aaagaaatag gaagtcataa ccaaaaatag 180 aagataaaag agtcaaatgg aaaattttga actgaagaat acaataacca atataaaaaa 240 ctcaatgcat gggcagaatg gaggagacag aggaaatatt ggtgaactgg aggaaacaat 300 ataaattgac catctataca acagagagaa gatagagtga aaaaaagatg aaaggaacct 360 caaagacctt cgagattata gcaaaaaaaa ccaaaataaa acaaaaccaa aaaccaacaa 420 acagacagac aaaaaattaa cetttgeatt eeetgagtee tagaagaeeg gaagatggea 480 gacctgaaaa acattctaag aaataatggc tgaaatgtgt ttaaatttag ccaaagacat 540 aaatatacag atttaagaaa ctgagtgaat cccaaatagg ataaactcac agaaattcat 600 agcaagacac tcatagtcaa acttttgaga actgaagaca aaaaagaaaa acaaaaagtc 660 aatccagatg tccttcaagg ggaagatgat taaaccaacc gtgatacatg catgctaata 720 gaaaaaaact actgatgcct ggaaccacct ggatgaatct ctaaagaatt atggagagtg 780 acaaaaataa ttttaaaatg ttacatagta tattggttta tttatataac aacatgattg 840 aaataacaag atcatagaaa tggagactca ttaggggtta aggaggggga aggataagaa 900 ggaagaggga gtggccataa taggcagcac gaagtattcc tgtgccgata gaaatatttc 960 ttatcttgac agtagcaatg tcaatatact gtttgttaca ctacagcttt gcaagatgtt 1020 agcattg 1027

<210> 6982 <211> 1437

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (209)...(14)
<223> similar to gil389766 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 6982
ccagtctcag cttactgcag cctctgcctc ctaggctcat gtgatcctct tacctcagcc
                                                                       60
tettgaatag gtgggtetac aggeacecac caccaegtee agetaatttt tggatgtttt
                                                                      120
tgtagagacg gggtttcacc atgttgccca ggctggtctc aaactcttga gctcaagtga
                                                                      180
tactcctgcc ttggcctccc aaagtgttgg aattacaggg gggagccacc acactcagcc
                                                                      240
ttttttctat ttcttaaggc tcagtgatat tactgtacta ctaaggaaaa aaagacaagt
                                                                      300
taatgagtct gaaagagtgt gtaaaaatag gttatttcag catctttaat ggcttgagat
                                                                      360
acaaagtaca tagttttaaa atattgagta catcctatag ggagataaqq atataaaqat
                                                                      420
gaataaacta atttcatatt tatgatacac tagtatcagt tcagaatatg attctttata
                                                                      480
tataaatatt taaaagattg ttcatcaaaa caaatgtcat aaaatatttq qtqqtacaqt
                                                                      540
tttaataaag tagaatcaga ttcttctgtg aaatgaagta taaagctgat atcgtaacta
                                                                      600
ataacctgta taataccttg cattattcct gtttccaatg aagtcagtgt agtctttaca
                                                                     660
tetggggeta gagacagaac agaggttete tttcagacac atetetgagg ttqtqctttt
                                                                     720
gtagattttt ttcctcaaac ctatccttac ctttcttttt aatttgattt tgctttaatt
                                                                     780
gagggacaag cagggatagc attgttatat tagccaatgg acagataaga ttctatcata
                                                                     840
catgitictat aaacttaatg gtacttcccc agagictgta gcctatatat cittitatcac
                                                                     900
ttctctaatc tcattctagc tgggtaggga gagactaatt tttgaatcaa tgagaaattc
                                                                     960
agtttgggga ttccaagtaa agtaagcagt cgttactatt ccttaaattt tatgcaaaat
                                                                     1020
tctattttac ttaatgtgtt acttattctt tgcaacagga ggtggtataa cagacagaaa
                                                                    1080
tetacaaagg atcettgagg gttcaggtge tacagaatte cactgttetg etcqqtctac
                                                                    1140
tagagactcg ggaatgaagt ttcggtaaaa atgtattctt cgattcaaat aagaaggatg
                                                                    1200
agattaattt ttactttctc ccaaatagaa aaactttgga tgggggcatg attaatcaat
                                                                    1260
ggaatattgt gactactaca taagtattgt agttgttttt gtagttgaaa aacatttcta
                                                                    1320
aaatggttct tgtcctgtct taaataaaca ggctctttga acataggtga accttgcctt
                                                                    1380
gtaaaggcat tgctgaactt agaccagtta atagtaaaca aattctgcag ttgagct
                                                                    1437
```

```
<210> 6983
<211> 2002
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1109)...(143)
<223> similar to gi4929553 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6983

```
cccggacctg cccacgctgc gtgccaagtt gcagggactg ctgcagttcc tgagggatgc
                                                                       60
cctgtccatt tccaatgcac ataccgtgga tttctacaca gaatccgtgt gggaggagct
                                                                      120
ggtcgacttg ccaccggaga cagtgctggc tgcgctgagg aagtcagcgt cggagacgga
                                                                      180
ggccctgccc tcagagacgc gccccctagt ggaagcagag tgggaagcag gtatgactga
                                                                      240
                                                                      300
ttttcccaaa atattttgtg aaacttctca gaagttggtg agtgtggaag cctttgctct
                                                                      360
ggctgcgaaa tactattctg tacaaaactt gggaatatgt actccttttg aacagttgct
                                                                      420
tgtagccctt cgaggaaatc aaaaccagag aattggtgaa aatcagaagg cagttgagtt
                                                                      480
tatqaatatq aaqaaatctc atqaaqttca qqcaatqtca qaqctqatta qcaqtattqc
                                                                      540
tgactactat ggaataaagc aggtgattga cttgggttcc ggtaaaggct acctaagctc
                                                                      600
ttttttgtcc ttgaagtatg gcttataagt ttatggaatt gattcttcaa ataccaatac
                                                                      660
tcatggaget gaggagaga acagaaaatt gaagaaacat tggaaactet gtcatgctca
                                                                      720
gtcaagatta gatgtcaatg gactagcatt aaaaatggca aaagaaagga aagtgaaaaa
                                                                      780
taaagttaaa aataaagctg atactgagga agtgtttaac aacagtccta caaatcaaga
aaagatgeet aceteageta ttttgeetga tttttetgge tetgtaattt etaatateag
                                                                      840
aaaccaaatg gaaacccttc attctcagcc acatcaagaa gaaaatttgt gttttgaaaa
                                                                      900
ttccttttct cttataaacc ttttgcctat taatgctgta gagcctactt cttcacagca
                                                                      960
aatacccaac agagaaacat ctgaagccaa taaagagaga agaaaaatga catcaaagtc
                                                                     1020
aagtgaatca aatatatatt cacctttaac ctcttttatc actgctgatt cagaactcca
                                                                     1080
tgacattatt aaagatttgg aggattgttt gatggtgggt ctccacactt gtggtgatct
                                                                     1140
ggctccaaat actttgcgaa tatttacctc caactctgaa atcaagggag tttgcagtgt
                                                                     1200
gggttgttgc taccacctct tatctgaaga atttgaaaac cagcataaag aacgtactca
                                                                     1260
ggaaaagtgg ggatttccaa tgtgccacta tttaaaggaa gagagatggt gctgtggtcg
                                                                     1320
taatgccaga atgtcagcat gtttggcatt ggagcgggtt gcagctggcc aagggctgcc
                                                                     1380
tactgaatca ctcttctatc gtgctgttct tcaggatatt attaaagatt gttatggcat
                                                                     1440
caccaaatgt gatcggcatg ttggtaaaat ttattccaaa tgttcttctt ttctggatta
                                                                     1500
tgtcagacgg tctctaaaga agcttggatt agatgagtcc aagctgccag aaaaaattat
                                                                     1560
aatgaactac tacgagaagt ataagcctcg aatgaatgag ctggaagctt ttaatatgtt
                                                                     1620
gaaagttgta ctggctccct gtatagagac tttgattctt ctggatcgac tttgttacct
                                                                     1680
gaaagagcag gaagatattg catggtctgc tcttgtgaag ttgtttgatc ccgtgaaatc
                                                                     1740
tcccagatgt tatgctgtta ttgccctgaa gaagcagcag tgatttccat tgaagcaaat
                                                                     1800
tattagatgt atttctctat gagacctgtt gctgagattg cttttctaaa catatatgtc
                                                                     1860
ctgttataca aaaattttta aatgactgtt atgtatttta aataataaaa taatggctaa
                                                                     1920
caacagaagg ttataatcca tttttccatt gtcaaagcat acattaataa aagaagaacc
                                                                     1980
                                                                     2002
tgtcataatt ttaaaaaaaa aa
```

```
<210> 6984
<211> 1110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (661)...(943)
<223> similar to gi5566604 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6984

gctttcctga atgctgatga ccttgacatc ttagaagaac agttgttgtt taaaggtgtt 60
gagtcaaata tccattaaat taggtttgtc agatatttcc tcgaaattag attcagctta 120
tgcatttttt ggaaggaata ccacagaagt gatgttgtt tctttctgtt gcatccaatc 180
```

```
agatgataca ggattttgat ttqttccatt actgttgaca tgaattttga acatttgata
                                                                     240
atgccagtat cagccagatt tttccattgt aaaqtcattc ctttqtcctt tqtatttaat
                                                                      300
aagtatgttt agggactttg agactatgtc aatgteetgt tetteateaa aatteeaete
                                                                     360
actcattctt agtattcatt gacgtttact gatcgaacta attattatta tgatagttgc
                                                                      420
caaatgttgg tttttctaat tcaatcattt ctttagtgtt tattagcatt ctactataag
                                                                      480
gaaaagcact atcttctccc catttattaa ttcacatatt tacatcagct tqqaqttatt
                                                                     540
gatttctatt ttattaaata gtttataatt gattaccatc cttatttatt ttaatgctca
                                                                     600
aattqtccca aattatqqcc aaaqaaaqct ccttcaaact qqttqctacq tccttttqac
                                                                     660
atggcccatc attctttaaa cacattttac atctggcaca ataacgtgct acatacccat
                                                                     720
cttgtatttt tcctgcccca tctttgaaat cagccattct caaqqqqttc cttcttaatc
                                                                      780
tggctgttgt tgtgttggaa ctcctggtac catcttagaa ccttaaggag acaagcgaac
                                                                     840
caagccaata agctttccat gatgctgctt agagttaaac agagcccagg tactaagtta
                                                                     900
tgtcatggag acagtgaact aacctctgga ctgcttgcta catgagacaa ttgattttct
                                                                      960
tattttctat gtagggtggt acatttcctc attttgagat atttcttcaa catataqctt
                                                                     1020
ttcattagtg gggattttgt caattataac caaaaacaat gtgacgggat acccaagatg
                                                                     1080
tttcatgttg tagcttgggt gaattacaca
                                                                     1110
```

```
<210> 6985
<211> 1049
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1050)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (897)...(310)
<223> similar to gi4929685 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6985
ttttttcctt ttagtaaaaa agttttatca tagcaaaaaa tatgtattta taaqqactqt
                                                                      60
caggagggat aggctatttc caatatcaca gttttttttg ttggtgcctt gaaaagataa
                                                                     120
gatttattac tcaagagaat gaaatccact gataggttca cagaaacatg ttccatctac
                                                                     180
agcgtaaact ggaagatttt tctggaagtg gctgttggcc gacgccaggt gtttgaataa
                                                                     240
agacagcagc atcttggtgt tatactcagg aacagcttac ccccttccat agggtaaaaa
                                                                      300
gtggcttctt aggtctgcaa gaattcgggt tgtactcggg ctactttccg gaattcttta
                                                                     360
gtgtgggtct tagggcacta catctcacac cagctgatgg gaaccatctg gatacctgac
                                                                     420
tcactgtggg ctaccaccac tcccagctcg ttctcggcgg tggttagcag gtagttggac
                                                                     480
tgtgcatcac ctaaggagat cactttggcc aagacaatgt cacctgggcg gaaactctta
                                                                     540
taaatttcaa ccttgtcttt ttcagttgct cggacatctt ccttgcggat agttcctcga
                                                                     600
aaagagttct taagaggcat ggaccccaca tacaggatgt gtactttggc aaagcgtgaa
                                                                     660
ttgatgctag agaccttaca ggttacaata gctcccacat ctggcagtaa ctgggactct
                                                                     720
gtttctctca ctacagacac cactggaagc gcgccattct cgctgctctt catcagacag
                                                                     780
ccggcaagcg acgaaaagat gtagccgtgg cgggtgtagg tgccgctgcc cgggctgccc
                                                                     840
tectecaagt tacacagacg ttegeegggg atgeagtate teacaggtgg egecatgatt
                                                                     900
gccgctgtcc caaaaccagg atgaaagcga agtcgctttc tcattggcca aagccaggca
                                                                     960
```

```
cagttccaca gtaagacccg tgtcaattgg tactccgnnn ccnngcgagc ggacgcgtgg 1020 gtcnncacgg aaattcggtc gtcaggtcc 1049
```

```
<210> 6986
<211> 1053
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (954)...(254)
<223> similar to gi9447 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6986 tttaggaaag accettttat tggggtggac acggagcacg cactagtcca tgataaaaat 60 aaaatgactc aagagaaaga tcccaagggc cgacttctcc ccaacqtqcq tqcacqctqa 120 gtgaggcctg ggcatgggaa agttccgggc gaagcgtggg acaagaccga gtctcaatgg 180 cctggaccgg tgttgggggg gagaaggcca ctcggctgtc ctggtaggtc aggccacccc 240 gggcccgccc ctgtcgcccg gccacagtaa agcccccgct agagactctc acagacacac 300 tetggttete tggagaactg ggggcaggaa tegggggaact ggecegatgg aaggeggggg 360 tcggggggac aatgttgttt tttttaaaaa gcatctacca acatcacact actgggtctg 420 atgtcccctt taaccaacgc ttgatagcag gttacagcat aaataaaaac tcaaggaaaa 480 taaatacatc ggctcctatg aggttggaag tggtgtggaa cgcagggtgt ggatgggccg 540 gcagggaggc gggcgggcgg ggtgcttaca catggcgggc aggcgggtgg gcgaccgagg 600 agcagacctg gcaggaggcg cctgtggagt tgagagtctt aagtgtcctc gtgcatgtct 660 gggctgtcgg tecgcgccac cttgcgggga ggtgcggagc tctcqccttc caqctccact 720 tgctcctggt ctctcttctt ggcagcgttc tttttgtccc attgctgatg caggtagcgc 780 aggaggatgt ttgtcttttc tgtcacgatg atctgttcag acgggtactc gcgggtaggc 840 aggtagactg agggccgtcg gttcgaggct ttgcacacgg agtccgcgtg aaatcgacta 900 aaattgcttt tgttgtagac aggcagtcct ttcaaaaaat ctgccatctt ctgtttcctc 960 cgtcgccgcc tcggccgccg cctcagcctc caccgccgcc accagagccg ccttcttagc 1020 cgccgcctca cagtaacttc cagccacggc aca 1053

```
<210> 6987
<211> 2433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2375)...(1856)
<223> similar to gi2959370 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6987
ggacccatgg ctgcacgtgt aaaccatcgc tggagtgtcc tcctcgttgg ccatggcaca
                                                                       60
ggtcacccca gcctgtgggg ccaaggcgca agacctgtcg gagaacagcc aggcaaaagc
                                                                      120
                                                                      180
acagagaatt ttgctctgtg actaccgctg ccgccgccag ttccctcaca gcccctttgg
gggattteet tgetgaagee ageagaaage ceageagtee cagegeeect ettgeegeeg
                                                                      240
teagagetge agtgatgece caccageace teagegggag cegetgeeca cacceetgee
                                                                      300
ccctccctc agccttccag gaagcgaagg ccagacacag ggaaacagaa acatgttgcc
                                                                      360
cttttatttg cgtttctcag aatactgtac aaagggagta aaaatcctat tcacactttg
                                                                      420
cttagaaaga ttttaaggtg aaagttccct atgatacacg gggtgggaga tgcagggtca
                                                                      480
ggagggagaa aacaggccca gtgacctctc ctgttccctt ggacccctgg aagaggacac
                                                                      540
agggacccac accttttcaa aattaacact gcccctagtc caactgggga ggggagaagg
                                                                      600
ctccagccca ggctcaggct cccggcctca ctttcttctc tgcaggctga gacagtgcct
                                                                      660
acaggecacg tettgeceet teetetgtge tgettgagea gggateetae aggaetetea
                                                                      720
ccacagaccc cacatggggt ggcctcacaa cgccacatgt ggctgccaca tgagaggccc
                                                                      780
tgcccagtgc cagtctgtat gaggaagtta aggggtgagg gcctgcagag gaccacagca
                                                                      840
cccatcgttt ctgtcacagc ttccccatac ccccgcagga gtcagggcca agttggacct
                                                                      900
                                                                      960
gtgettacaa tgactcacgg gcettttccc cacctgtcta cccaacagcc aacccaggag
ttaaacccac agcagcctcc ctcccctatt actatcacat tctgtgggta aattaaccct
                                                                     1020
ccaagectge tteecteect geccacatee caaaggagat tgggtetage ttetgteect
                                                                     1080
accecteect ceettacace agtectetge tgetatgtgg ceecattett etaagteteg
                                                                     1140
actcactage tetectacag etececaace tecaceagge caggatggea geagecetgg
                                                                     1200
ccccctcacc tctggaacca agccatctac actctacccc atctttcccc aacctgaccc
                                                                     1260
tececaetee caaccaggae ecaeggtggg ttgcagagaa getgecaaaa geetgggaet
                                                                     1320
tggattagac agetecetae ecagaaagge aaagacecat eccaeaettg ettecataca
                                                                     1380
caaaagcaca cactgcgtgg catcgaaaaa acctaggaat cacagtgaaa caatccagaa
                                                                     1440
gccgtaccgc cctctgctcc ctatgcaggg gttaaagtgc tttggctgcc tgagggcaaa
                                                                     1500
caagtgagca ggggtttttc ccctggcctc ctgtcgcaac tgcgtggtcc atgttcagcc
                                                                     1560
caggagecca geceatteca tgaccaacte catggagtet etatteaaaa ageaaaagga
                                                                     1620
aaagatcaaa aaattcagaa aaggtcagag cccagggggc ctaccccaac cccactacaa
                                                                     1680
gctactccaa gttggctact gggggaagcg aggggggaaa ttaggccaga ggctcaaccc
                                                                     1740
ccatctctgg cagtgtccag aggettette tttetgtett cagtgttgca gcacatgcet
                                                                     1800
tttaccctac ccctcccctg ccaccctggg caggggaagg ggctgcactc tcagtactta
                                                                     1860
ttgattccaa aaatccggac tccgtggagc tggggcagct tggggataag cacqctcatc
                                                                     1920
agggacacgg tgttgagcac aaaatggatc tggtcgtact tagtgtagaa gctggtgagg
                                                                     1980
aagtacagca cgatgggtgt gatggtcaag aacttccgag aggccgtgaa ctggacccca
                                                                     2040
taatecatet geteecagtg ggttageage etegeettge eetggteegg ggteteaaag
                                                                     2100
ggtgtcccct tcaccgtgtg caggaagata tacatgccca tgttgtgaat gaggttggtg
                                                                     2160
agggtccaga cgacagggac actcacaaac gggatgctca gcagcacgat gtggaggaga
                                                                     2220
ccgatggcca gcacgtagga gagccagatg ccacggctgt tcatcacccg cgtgttgggg
                                                                     2280
ttcacctcgc tgtgcgctgt gcccacattc atcctgctgc ccctctctgc gtgtggggcc
                                                                     2340
gaagatcaac ggcccgggaa cggttcccgg gagcgggggc cgctgctgct ccagcagctg
                                                                     2400
taacaacccg cggctgcagc ctccccgacg aaa
                                                                     2433
```

```
<210> 6988
<211> 1699
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1552)...(966)
```

<223> similar to gi5802225 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 6988
atatagaagc tgaggaaaat gtctaacaca aaatttggag aataagaaat tagataggtc
                                                                    60
atgtaagtga atgtaagtat agtgctatgg gcatataagg ggcatggatg aaacatcgaa
                                                                   120
aagttggaaa tataatacgt ccagacaacc aagtggcatg ggtgttatac tgtaagaaat
                                                                   180
tttcgagaat cctatctgca actccatgag ggtaggatac gaagatagct gaggtaagtg
                                                                   240
aaggtcagga agggtaagtc ctgaaccaaa ctgccactgc tagtaagcgg cagagctggg
                                                                   300
attggaacta ggggctgtct ggcttcagat ctttatcctt aaccaccatg ttatacgggg
                                                                   360
actaaagagt gccggtgagt tgtgaaccca gaccetteee cagecacace tggcaacace
                                                                   420
ccctgatctc tgggaccaca gctgggttgt agggaaagaa tggagtctcc taaatggtga
                                                                   480
540
cctgccaact cgcaggcttc gctgatcgca tggcacctgg gcaccccgcc aaagagctga
                                                                   600
aactcccaag gctcagccag gactctccag ctgtggtgtt tctaaaaqcc qttctqqqtq
                                                                   660
agatgtagag ccgagttttc ccagtcgctc agtcctcctc ccgtgaggac aacactgctt
                                                                   720
geteteetgg ettgeeteac ecatecagga aaaggtgggg aggggeteta ggeageggee
                                                                   780
tetectggtt gaaagaaact gagacetggg cetteegtee agtttaaect ggageaqgee
                                                                   840
tggcccctgg gcaggctcag agcaggtccc ccattcagca aatgagggta tcctcctatt
                                                                   900
ttgccaacat ccatcttcac cgacttggcc tgaacccatt ctgagtacag agggacaccc
                                                                   960
atgacagaaa tcccaggtca actctgctgg aagccactgt gctggaagag gacttctttc
                                                                  1020
actitigica cgatggiccc cacticagec atggeccega gacetteate teegeacaec
                                                                  1080
agettettgg ccacacaggg gatetegaca tagecaaagg cettgagetg gtetacetge
                                                                  1140
tgcgctgtga tcgggtgctc ccacatggcg gtgttcatgg ccgggcagaa gagcaggggc
                                                                  1200
ttgctgcggt cccaggcccg catgacgcag gtaagcaagt tgtcacagat gccactggcc
                                                                  1260
acctteccea gagtgttggc atcaagagga gccaccagca ggaggtetge ccaceteege
                                                                  1320
aggtcaatgt gcagaactgg gtcagagcgg ctcttccaca tctcccattc atcagcgtcg
                                                                  1380
ctgtagaggg tgacaggaat gtcctggggg ctgtagaaat gtttggctct ctcagttgtg
                                                                  1440
accactgcta cttccagccc aggaatgtcc aaaagctttg acaccagaag aggcaacttc
                                                                  1500
agggctgcga cactccccgt gacacccaca agaacatgga attttctctc catcaagggt
                                                                  1560
gcagcagctg gacaggaggc ctttggttcc atgtggggtc tggtggcttc aagttctggg
                                                                  1620
agcctgccag gcctgggctc tataaagctg tcgggattta ggatccgcgc caggcgcqtc
                                                                  1680
teggggeece aegegteeg
                                                                  1699
```

```
<210> 6989
<211> 4953
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (531)...(2706)
<223> similar to gil63477 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6989
cggcaggcta gctgtcggag acggcaagca cggatcgggc acggccggcg ggtcgcagcc
```

60

```
gggctggagg ccggtcggaa ccgagcgggc aggaggccac cgctgcagcg cgggcccgc
                                                                      120
agaggaagga agccggcggg cggggtgaag ctcgtgtgtg gagtgccacq gtacaatcaq
                                                                      180
acgacagatg gacagtgtga caaaagtgtc agaaaggatt gggcctcgct gtgagagtca
                                                                      240
gcctggattc aaagtgttga caagttgctg aaaaggaagc cagtgagagg actgtggcac
                                                                      300
gcagaggaag tggagccetg tetteggtea caccattgat ggaggacaga tggacagecq
                                                                      360
tatggccagt cacctctcct cttaaacctt tggagagagg tcctttgtcc tctgctggac
                                                                      420
acataatagg aattotaaca cattototga attoactttt cataaaaacg taaaatcaga
                                                                      480
etgetetgta caaccagget caactgttge atggtageag atttgeaaac atgagtgetg
                                                                      540
aggggtacca gtacagagcg ctgtatgatt aaaaaaagga aagagaagaa gatattgact
                                                                      600
tgcacttggg tgacatattg actgtgaata aagggtcctt agtagctctt ggattcagtg
                                                                      660
atggacagga agccaggcct gaagaaattg gctggttaaa tggctataat gaaaccacag
                                                                      720
gggaaagggg ggactttccg ggaacttatg taaaatatat tggaaggaaa aaaatctcgc
                                                                      780
ettecacace aaageeeegg ecacetegge etetteetgt tgeaceaggt tettegaaaa
                                                                      840
ctgaagcaga tgttgaacaa caagctttga ctctcccgga tcttgcagag cagtttgccc
                                                                      900
ctcctgacat tgccccgcct cttcttatca agctcgtgga agccattgaa aagaaaggtc
                                                                      960
tggaatgttc aactctatac agaacacaga gctccagcaa cctggcagaa ttacgacagc
                                                                     1020
ttcttgattg tgatacaccc tccgtggact tggaaatgat cgatgtgcac gttttggctg
                                                                     1080
acgctttcaa acgctatctc ctggacttac caaatcctgt cattccagca gccgtttaca
                                                                     1140
gtgaaatgat ttctttagct ccagaagtac aaagctccga agaatatatt cagctattga
                                                                     1200
agaagettat taggtegeet ageatacete ateagtattg gettaegett cagtatttgt
                                                                     1260
taaaacattt cttcaagctc tctcaaacct ccagcaaaaa tctgttgaat gcaagagtac
                                                                     1320
tetetgaaat ttteageeet atgettttea gatteteage ageeagetet gataataetg
                                                                     1380
aaaacctcat aaaagttata gaaattttaa tctcaactga atggaatgaa cgacagcctg
                                                                     1440
caccagcact gcctcctaaa ccaccaaaac ctactactgt agccaacaac ggtatgaata
                                                                     1500
acaatatgtc cttacaagat gctgaatggt actggggaga tatctcgagg gaagaagtga
                                                                     1560
atgaaaaact tegagataca geagaeggga eetttttggt aegagatgeg tetaetaaaa
                                                                     1620
tgcatggtga ttatactctt acactaagga aagggggaaa taacaaatta atcaaaatat
                                                                     1680
ttcatcgaga tgggaaatat ggcttctctg acccattaac cttcagttct gtggttgaat
                                                                     1740
taataaacca ctaccggaat gaatctctag ctcagtataa tcccaaattg gatgtgaaat
                                                                     1800
tactttatcc agtatccaaa taccaacagg atcaagttgt caaagaagat aatattgaag
                                                                     1860
ctgtagggaa aaaattacat gaatataaca ctcagtttca agaaaaaagt cgagaatatg
                                                                     1920
atagattata tgaagaatat acccgcacat cccaggaaat ccaaatgaaa aggacagcta
                                                                     1980
ttgaagcatt taatgaaacc ataaaaatat ttgaagaaca gtgccagacc caagagcggt
                                                                     2040
acagcaaaga atacatagaa aagtttaaac gtgaaggcaa tgagaaagaa atacaaagga
                                                                     2100
ttatgcataa ttatgataag ttgaagtctc gaatcagtga aattattgac agtagaagaa
                                                                     2160
gattggaaga agacttgaag aagcaggcag ctgagtatcg agaaattgac aaacgtatga
                                                                     2220
acagcattaa accagacett atccagetga gaaagacgag agaccaatac ttgatgtgt
                                                                     2280
tgactcaaaa aggtgttcgg caaaagaagt tgaacgagtg gttgggcaat gaaaacactg
                                                                     2340
aagaccaata ttcactggtg gaagatgatg aagatttgcc ccatcatgat gagaagacat
                                                                     2400
ggaatgttgg aagcagcaac cgaaacaaag ctgaaaacct gttgcgaggg aagcgagatg
                                                                     2460
gcacttttct tgtccgggag agcagtaaac agggctgcta tgcctgctct gtagtggtgg
                                                                     2520
acggcgaagt aaagcattgt gtcataaaca aaacagcaac tggctatggc tttgccgagc
                                                                     2580
cctataactt gtacagctct ctgaaagaac tggtgctaca ttaccaacac acctcccttg
                                                                     2640
tgcagcacaa cgactccctc aatgtcacac tagcctaccc agtatatgca cagcagaggc
                                                                     2700
gatgaagege ttactettg atcettetee tgaagtteag ceaccetgag geetetggaa
                                                                     2760
agcaaagggc teeteteeag tetgatetgt gaattgaget geagaaacga agceatettt
                                                                     2820
ctttggatgg gactagagct ttctttcaca aaaaagaagt aggggaagac atgcagccta
                                                                     2880
aggetgtatg atgaccacae gtteetaage tggagtgett atecettett tttettttt
                                                                     2940
tctttggttt aatttaaagc cacaaccaca tacaacacaa agagaaaaag aaatgcaaaa
                                                                     3000
atctctgcgt gcagggacaa agaggccttt aaccatggtg cttgttaatg ctttctgaag
                                                                     3060
ctttaccagc tgaaagttgg gactctggag agcggaggag agagaggcag aagaaccctg
                                                                     3120
gcctgagaag gtttggtcca gcctggttta gcctggatgt tgctgtgcac ggtggaccca
                                                                     3180
gacacatege actgtggatt atttcatttt gtaacaaatg aacgatatgt agcagaaagg
                                                                     3240
cacgtccact cacaagggac gctttgggag aatgtcagtt catgtatgtt cagaagaaat
                                                                     3300
tctgtcatag aaagtgccag aaagtgttta acttgtcaaa aaacaaaaac ccagcaacag
                                                                     3360
aaaaatggag tttggaaaac aggacttaaa atgacattca gtatataaaa tatgtacata
                                                                     3420
atattggatg actaactatc aaatagatgg atttgtatca ataccaaata gcttctgttt
                                                                     3480
```

```
tgttttgctg aaggctaaat tcacagcgct atgcaattct taattttcat taagttgtta
                                                                    3540
tttcagtttt aaatgtacct tcagaataag cttccccacc ccagtttttg ttgcttgaaa
                                                                     3600
atattgttgt cccggatttt tgttaatatt catttttgtt atcctttttt aaaagtaaat
                                                                    3660
gtacaggatg ccagtaaaaa aaaaaaatgg cttcagaatt aaaactatga aatattttac
                                                                     3720
agtttttttt gtacaaagga cttggctgtt accccagggt taaaaagttc ataacaaatt
                                                                     3780
ttttttggac tgttttgttg ggcagtgcct gataagcttc aaagctgctt tattcaataa
                                                                     3840
aaaaaagaaa tgaaaaagat atatgaatat gacaaagtat tgctgagtcc aacaatgttg
                                                                    3900
ttttaagact cttaaaatac qqqtacctqq qcaatqqtta attttccata aaaqaattqt
                                                                    3960
gaacttcttg aaatctaggg gagggggaat gtagtgaagg gatgtatcaa gtggggtggt
                                                                    4020
gggaggggga ggcaaggtta tatgcacttt ctcatgattt acagagaagt gaataactgc
                                                                    4080
aaagtgaagt tgcttcttct acttcagtct tctctcactt tgatttgcta gttgttatca
                                                                    4140
attaatgaca attacaaacc tactgtatct ctaatacagt gtgactggtc aggtatttca
                                                                    4200
gttcttagga aggaagtgcc aagtttgttt ttgggttcct ggaacagcgc tcacctttgt
                                                                    4260
ttagaacact ggtttaaagg gataatcatc tctgtcacat tagactatcc atcatgacca
                                                                    4320
gcaaatactc attttaggaa aaaaaaaagc atgatctgaa aaatactttt ggtggtatgt
                                                                    4380
tggttaccct cctagctttc catttggttt agaacataaa gcaaatagac acagtcatac
                                                                    4440
tgtcactgct ctggactgtg tggagctcgc taaagtcatg gtcattgcag gaatccaagt
                                                                    4500
ggcagtcctt ctcattcatt ctaatcattg tatgtgcttc actacggggg ggagaaggaa
                                                                    4560
acgttagcat catgtttccc atttagggca ggagtgagag gtctctcttc ctgatttaga
                                                                    4620
tatgcaaaag ctggtatgtt cagtaggaac tgtacatgtg ttgggaggca taaagactaa
                                                                    4680
ttagcaacca taatatggtc actaccctaa tagactaaat qaaatcttqc aatttcaaaa
                                                                    4740
ttactccttt ccccaatatt aagatttacc ccacaagcta atatttcccg tttaaagtac
                                                                    4800
taagggtgag ggttttctgt tactttgttt tttaatgttg ttccttttga aagaatcagt
                                                                    4860
cttgcagctg agtgaaaaat ctgtggaatg tattatttgt cctctttaca tgaaactact
                                                                    4920
catacttaag caaaagtcag tcttatagca aga
                                                                    4953
```

```
<210> 6990
<211> 2137
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (143)...(1875)
<223> similar to gi4838357 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6990 tttcgtggtg tgagtgggag gcggcggcgc tggtggctgc agctgtggtg aggcgcgagg 60 cggcgcactc gacggctgac tggagcagcg gtaaaggcga ggatggagac cgaaggatat 120 aagtcaaaga gtacagcaga aaatgtctac tgaacggact tcttggacaa gcctgtccac 180 cattcagaaa atagccctgg gccttgggat cccagccagt gcaacagttg cctatatcct 240 ataccgcagg tatagggaaa gcagagaaga gcggctgaca tttgttgggg aagatgacat 300 tgagatagag atgcgggttc cccaggaggc tgtgaaactc atcattggcc ggcaaggagc 360 caatattaaa cagctgcgga aacagacagg tgctcggatt gatgtggaca cagaggatgt 420 atgcgatgag cgagtgctgc ttatcagtgg ttttcctgtt caggtgtgca aggccaaagc 480 agcaatccat cagatcctga cagagaatac cccagtgtct gagcagcttt cagttcccca 540 gagatetgtg ggcagaatca tagggagagg cggcgagaca attcgtteta tetqtaaqqc 600 atctggagcc aaaattacct gtgacaaaga atcagaaggg acattactac tatcaagact 660 tataaaaatc tcaggaacac agaaggaagt ggcagcagcc aagcatttga tactggagaa 720

```
780
agtttcaqaa qatgaagaac ttcqqaagag aattqctcat tctgcagaaa ccagggtccc
                                                                     840
acgcaaacag ccaatcagtg tgagaagaga agacatgaca gagccaggtg gagctggaga
                                                                     900
gccagcatta tggaaaaaca ccagttctag catggagccg actgcacccc tggtgactcc
                                                                     960
tecacecaaa ggaggaggeg acatggetgt ggtagtgtea aaggaaggtt eetgggagaa
                                                                    1020
acctagtgat gacagettte agaagtetga ageecaggee ateccagaga tgeecatgtt
                                                                    1080
tgaaatcccc agtcctgact tcagttttca tgctgatgag tacctagaag tctacgtttc
tgettetgag caccetaace acttetggat ceagategtt ggeteeegea geetgeaatt
                                                                    1140
qqataaqctt qtcaatqaqa tqacccaqca ctatqaqaat aqtqtqcctq aaqacttqac
                                                                    1200
tgtgcatgta ggagacattg tagcagcacc tttacctaca aatggttcct ggtatcgagc
                                                                    1260
ccgggtcctc ggcaccttgg agaatgggaa cttggacctc tattttgttg actttggaga
                                                                    1320
taatggagat tgcccactga aggacctcag ggctctcagg agtgacttcc taagccttcc
                                                                    1380
atttcaagca atagaatgta gtctggcacg gattgctccc tcaggtgacc agtgggaaga
                                                                    1440
ggaagetttg gatgagtttg atagactcae teattgtget gaetggaage etetggtage
                                                                    1500
caagatetet agetatgtee agaetgggat eteaaettgg eeaaagatet aettatatga
                                                                    1560
tactagcaat gggaagaaac ttgatattgg gctagaatta gtacacaaag gatacgcaat
                                                                    1620
tgagcttcct gaagacatag aagaaaacag agctgtccca gacatgttga aggacatggc
                                                                    1680
cacagaaaca gatgcctctc tcagcacgtt gctcactgag accaaaaaga gctctggaga
                                                                    1740
gataacacat accetgteet geeteagett ateagaaget getteeatgt etggtgatga
                                                                    1800
taaccttgaa gatgactact tactctgaag tctgggcttc agtttgctca gccatctgct
                                                                    1860
ttgctgtgat ttggcatagg aattggtgca tggaggagag gagtgtatga taaaqgatcc
                                                                    1920
atgcagtcct tcctttatta cacatatagt ctggcttgct gtggaccaaa ttaatattct
                                                                    1980
cctcccatca gactacaaaa aaattggact accacgctac aaqtgtgtct cccccattcc
                                                                    2040
accteeggat cecteecaa cecteeagtg tttgaatact getgtgttae tteeaggeeg
                                                                    2100
ttcaacgtca ggctcagtcc cctctaccag tcatgat
                                                                    2137
```

```
<210> 6991
<211> 1200
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1201)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1135)...(127)
<223> similar to gi4455233 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6991
tttttttaca tttggaaaaa taaaacttta ttaaatcaaa tgaatgagta tgtctgtttc
                                                                      60
ctaagaaaga caatgataaa gaatttggtg gaaggtataa taggggtttq ttgactttgc
                                                                      120
ttttagcctc atggtagttg gtagagagca tgattagctt ttttctgtat gtgactgctt
                                                                      180
cttcattgct gcagcttcag ttttgaattg atgtctggac tgccagcggc gtccattatt
                                                                      240
ccagacgcgg ccaaaagagg gcagccagcc tgcactggtc ctggagctgt gatcaaagtt
                                                                      300
ggccccaact cggtctgggg ggagttttt caacttctgt ttttcctttt ctttaagaaa
                                                                      360
ttcttcatag gatggtccta tttcttggtt cccagcaatg tattcttcat cttggatcat
                                                                      420
ccagggaggt gtggcacctg agtggatgtt accaactcct ggtatatcct gatggccaat
                                                                     480
```

```
gaatgtcaga gatggtcctg tctccatcca gtcaagctct ggagctggtg gcaggtccaa
                                                                     540
atttgagggc tgctgtaagc tggaagctac ttggctqttc atccctttcc aqcttctaqq
                                                                     600
tgctgaagag ccctcttctg ggtctggcac tgcctgaggc tctaagacag accgaaccac
                                                                     660
ctcctgtcgg ctctgctcca cctcacggat ctgagctgcc atctccttga tcactttatc
                                                                     720
ctccttttct tcataggaat ccaaaccttt caccatggat ttcttgaatc gcgcataatc
                                                                     780
ctggggagtg accagaaact tetettteat etggacetea getttgttet eccaecagaa
                                                                     840
tttgttggtt getttettgt getetggget ggecagatge tecageagee ceceqtacaq
                                                                     900
caccgtcagg tttccatggc tcaggtgttc ccgcacctca cagccgcagc acaggcacca
                                                                     960
gcagcatcgc tcgtgttcgg gcacatagcg ctccacctga gcggcgcgga tggccttgcg
                                                                    1020
ggccgcctcc acctggggca ggagcctctc caaagcctcc ttcagctgcc gctqqtqctt
                                                                    1080
geggetgtaa aegtgeeege gaccacagaa gaaggtetgg eggeacagag ggeagegetg
                                                                    1140
cgccggcgcc atagcccggg tacccggacg aaatcgtcga catgatannt nnggcggggt
                                                                    1200
```

```
<210> 6992
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (189)...(227)
<223> similar to gi5726234 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6992
tttcgtgtgg cggccggctc ccaaggtggc agcaagactt ttgttctctg acctggggtt 60
cttggcctcc tggattccaa agaatggaac cttggggcca tgcgataaat atgctgaggc 120
atgtttcaa ggagggaga gagattcctt ttcctcagcc gggcacagag ccaacctgaa 180
gtgtagcact gtggtgacct ggcgggatct gctctccagt cactcccgag ggcccttctg 240
gggacaagga gactttctg tgcggcctgt tgatttgaga tcgaggctat caagctacag 300
atgatcttac aaatggaacc ccaaatgagc tcaactaaca actaccaagg acccctggac 360
caacccgctg gccctttcaa tggcctaaag ag
```

```
<210> 6993

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(722)

<223> n = a,t,c or g

<220>

<221> misc_feature

<220>

<221> misc_feature

<222> (459)...(251)
```

<223> similar to gi1888415 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 6993
tttcgtgcta agggaggact cagggccaga aaaagtgccc agtgatggag gagactgccc
                                                                      60
tgagaggtgg tgagccccc cgtcatggag gtgtgcaagc taacagcagg qtcattcaat
                                                                      120
ccgggagccc tggattggat gtgtctcaga catggcagaa ggattccttt atccagggcc
                                                                     180
ttgtggggag gccctccctg ttgccaactg agtcgagggc tggtggaaga actggtgatt
                                                                     240
ggacaggagg ccttgaaaac ttcccgggca gggggtgcct ctgggtctgg ctttqqcqqa
                                                                     300
gtggctccta gggaggagct ggcctgggga catgccactg gtggtgggtt cctgggcccc
                                                                     360
ctctggagat gtgatcagtg agttcattcc ccccaggcct cacggtgccc ggcttgttcc
                                                                     420
aggagetgge caaggteest ggatgggetg aagteettgt geceatgttg tecaetgtee
                                                                     480
acctgcgcct gcctgccgtt gcccagaaag aggcctaatg agttccttga gaggcgtgtt
                                                                     540
taccaggect gtgtteccae gggeeettgg gaetetetea getggnteet eeettteete
                                                                     600
gtggtggccc agcctggctt tgtgtgcctg gagcgggtgt gtccacacac tctcacactt
                                                                     660
gcactttcat gcacgtgtct ggccgcctca gctctggtct tgggggctttg cctgggagaa
                                                                     720
g
                                                                     721
```

```
<210> 6994
<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (329)...(567)
<223> similar to gi296679 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6994
ttaagacaca tetteagtea ettetetetg cetgtgtete aggaagacea geteeteeta
                                                                       60
ctgtcttctg tgctagggat cacttccttg ttgagtgggg ccggagtttt aagaggatct
                                                                      120
tetgeteete tteatetggt cegttteett ccaaggeece cgagaggaag geatgeggtg
                                                                     180
ggccctactg gtgcttctag ctttcctgtc tcctggtgag tacgctgcct acagagaggc
                                                                     240
tcacaggttg ggttttgttt tgttttcttc ttgaaagggg tgccatacaa aggaatacct
                                                                     300
cattgtattt tgtgttgttc ccattgcagc cagtcagaaa tcttccaact tggaagggag
                                                                     360
aacgaagtca gtcatcaggc agactgggtc atctgctgaa atcacttgtg atcttgctga
                                                                     420
aggaagtacc ggctacatcc actggtacct acaccaggag gggaaggccc cacagcgtct
                                                                     480
tctgtactat gactcctaca cctccagcgt tgtgttggaa tcaggaatca gcccagggaa
                                                                     540
gtatgatact tagagcagac tccgggacac accaacaca atgatcctca gtccttttaa
                                                                     600
taaagcacgt tcaacccttc tcagagtgac cttgagtggt tgcctccatg agtccaacat
                                                                     660
ctgcagtccc tcagctggag gcctgagacg aaatcgtcga cccgggaatt cc
                                                                     712
```

```
<210> 6995
     <211> 478
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (84)...(247)
     <223> similar to gil834464 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6995
taccgttctc ggaattcctg ggtcgacgat ttcgtcccgg agtgatcctg gcagccggtg
                                                                       60
gggaagacaa ggagggtttg agcatggcag aaggaaacac cctgatatca qtqqattatq
                                                                      120
aaatttttgg gaaggtgcaa ggggtgtttt tccgtaagca tactcaggta tgtggcctgc
                                                                      180
aggctttggg gtggtaacct aggttgtggg cataggaaca agggacgtgt tcttgacaaa
                                                                      240
tgtgaactag gagccgctgg ctatttggta gctgcatggc aaagaggtag tttgtaqaqc
                                                                      300
aatgagtatg aaaatgctgt gcaatcggta aaacatggtg taaatggaag atcaccctgc
                                                                      360
tgttattatt agtcagtggt gcctgagcat ctagatacac atattaatga gcttctctct
                                                                      420
tccaagggaa atagagggct tccccagtgc tcgccgttgt ggcatcatca aaccaagt
                                                                      478
     <210> 6996
     <211> 2176
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (304)...(1340)
     <223> similar to gi3880625 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 6996
acgtcgacga tttcgtggag gagggaagtg agatggcgga aaggaaaact gcttaaatga
                                                                       60
tttttaaaga tcttgagtca cagtgaagca acccactgga gtgagcattg ctgcatttgg
                                                                      120
agagtcagat gccattttgt tgtactcctg tttgatcaag tggccagttt aactagatac
                                                                      180
tagctttgaa gaagttctgt attggcccct ggaatgtgac agttcatacc acattgaaaa
                                                                      240
ggctttgtga atgccggtcc actgatggct gaactgcagg tctctcccca gtggaaagcc
                                                                      300
ccagagatga gccagatctg cctcagctgt ggccatccgt cagcgtaagg gccgcgatgg
                                                                      360
gcctcttgga acattggtgt gttcatctgc attcgatgtg ctggaatcca caggaatctg
                                                                      420
ggggtgcaca tatccagggt aaagtcagtt aacctcgacc agtggactca agaacagatt
                                                                      480
cagtgcatgc aagagatggg aaatggaaag gcaaaccgac tttatgaagc ctatcttcct
                                                                      540
gagacctttc ggcgacctca gatagaccca gctgttgaag gatttattcg agacaaatat
                                                                      600
gagaagaaga aatacatgga ccgaagtctg gacatcaatg cctttaggaa agaaaaagat
                                                                      660
gacaagtgga aaagagggag cgaaccagtt ccagaaaaaa aattggaacc tgttgtttt
                                                                      720
gagaaggtga aaatgccaca gaaaaaagaa gacccacagc tacctcggaa aagctccccg
                                                                      780
aaatccacag cgcctgtcat ggatttgttg ggccttgatg ctcctgtggc ctgctccatt
                                                                      840
```

```
gcaaatagta agaccagcaa taccctagag aaggatttag atctgttggc ctctgttcca
                                                                   900
teceettett etteeggtte cagaaaggtt gtaggtteea tgeeaactge agggagtgee
                                                                   960
ggctctgttc ctgaaaatct gaacctgttt ccggagccag ggagcaaatc agaagaaata
                                                                  1020
ggcaagaaac agetetetaa agaeteeatt ettteaetgt atggateeea gaegeeteaa
                                                                  1080
atgcctactc aagcaatgtt catggctccc gctcagatgg catatcccac agcctacccc
                                                                  1140
agetteeceg gggttaeace teetaacage ataatgggga geatgatgee teeaceagta
                                                                  1200
ggcatggttg ctcagccagg agcttctggg atggttgccc ccatggccat gcctgcaggc
                                                                  1260
tatatgggtg gcatgcaggc atcaatgatg ggtgtgccga atggaatgat gaccacccag
                                                                  1320
caggctggct acatggcagg catggcagct atgccccaga ctgtgtatgg ggtccagcca
                                                                  1380
gctcagcagc tgcaatggaa ccttactcag atgacccagc agatggctgg gatgaacttc
                                                                  1440
tatggagcca atggcatgat gaactatgga cagtcaatga gtggcggaaa tgaacaggca
                                                                  1500
gcaaatcaga ctctcagtcc tcagatgtgg aaataaaaac aaaacacctg tatggctgcc
                                                                  1560
attetettea gecetegete teccetttee acageeteea eccetgacee ceateetett
                                                                  1620
ttcctacctc tctgtttggt ttagaaattg ctcaataagt catttggggt ttggcatcct
                                                                  1680
gcccagccac ttcccaaaca tgaagacctc tctgttgctt tatgttggac atgccccata
                                                                  1740
gccatcccaa cgtcctcccc agtcctctcc tggcaccagc accttagaag ttgttggcag
                                                                  1800
1860
gctcctgtca gactctcaga agggtctgtg ggtgttgtat attaggcaaa caggggaaag
                                                                  1920
cttagaggtc cttctatatg tgttaataag ctgtttctaa gtgtttaaat ttgaaaagca
                                                                  1980
tcatgttctc atgatttatg ggaatgaagc aagtactgaa atcaaattaa atactccctg
                                                                  2040
ggtcctgggt cagtttgacc ctagccctgg ggtgaggcaa gcccctcct atgaggatga
                                                                  2100
gcaaaaatac tactctctc gccctgagtt gctttctgga tctggggctt caggacttgc
                                                                  2160
tgcttcagac agcctt
                                                                  2176
```

```
<210> 6997
<211> 3228
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(3229)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (462)...(1470)
<223> similar to gi5679081 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 6997
cgtatatttg taccatgacg accgcccgaa ttcccggtcg acgatttcgt gccgccggga
                                                                       60
gctgccacgt ccgagacctg ttcagctacc gccgcaatca tggtgagtgt tggtactgag
                                                                      120
gaggcctagc agggtgaagg ccacggtcgc ggccttcacg ggttcctcgg ccgtcctgag
                                                                      180
teccaaatee caagetggag cegtteaget eccetecace gettagagat ttgggggget
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ctggccccgt ccttgcggac cattccgagg ggagtccaga ggtgaggccg aggaacctcc
                                                                      300
ctgactttgc ggggcgcgcc gctcctgcgt ctcctgccag tctcccttcc ttctttcgg
                                                                      360
tcaacaattg aaaacaaac gaggaacagc agaggagcta ctgtataccg agccctcagc
                                                                      420
attgttcgta atctccgcct gctaacagcc ttgtgaagaa ggtgtcagta attaacactg
                                                                      480
tggatacete ecatgaggae atgatteaeg aegeceagat ggaetaetat ggeaeeegee
                                                                      540
```

```
600
tggcaacctg ctcatcagac aggtccgtca aaatctttga tgtgcgcaat ggagggcaga
teettatege egaceteagg ggteatgagg gteetgtgtg geaagtggee tgggeteace
                                                                      660
ccatgtacgg caacatectg gcategtget cetatgaceg gaaagteatt atetggagag
                                                                      720
                                                                      780
aggaaaacgg cacctgggag aagagccacg agcatgcggg acacgactcc tcagtgaact
                                                                      840
eggtgtgetg ggeeceecat gaetaeggee tgateetgge etgtgggage teggatgggg
                                                                      900
ccatctccct gctgacttac accggggaag gccaatggga agtaaagaag atcaacaacg
ctcacaccat tggctgcaat gccgtcagct gggcccctgc tgttgtacct ggaagcctca
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tagaccacce ateggggeag aaacceaatt acateaagag gtttgeatea ggtggetgtg
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acaacctcat caagctgtgg aaggaggagg aggacggcca gtggaaggag gagcagaagc
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                                                                     1140
tagaagegea cagtgactgg gttcgagatg tggcctggge cccctccatc ggcctgccca
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cctcaagcaa tacgtggtcc cctaaattgt tgcacaagtt caacgatgtg gtgtggcatg
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tgagctggtc catcacagcc aacatcctgg ctgtctctgg tggagacaat aaggtgaccc
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tgtggaagga gtcagttgat gggcagtggg tgtgcatcag tgatgtcaac aagggccagg
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gctccgtatc agcatcagtg acagagggcc agcagaacga gcagtgacaa gacaggtggg
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ctgggaagag ccccaactc caacaggatt attttcccag gaggagttac agatgcagcc
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acagattgat catctgcctt aacgtgatcg gagatgcttt gtaatctact gtccagctga
                                                                     1620
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                                                                     1740
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                                                                     1800
cctcgtaaca tgagctgttt ccagctcgga cagtagatta caaagcatct cagatcacag
                                                                     1860
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cctgttggga gttgggggc tcttcccaag ttgtctggtt acgttggccc agggaagggg
                                                                     1980
cagtccctgg aagctggcgg ggtggggagc cagggcccca cctcgtcatt gtcactggct
                                                                     2040
cgttctagct gggccttcct ggtcactgga tggctgatac gggagccctt ggcccctttg
                                                                     2100
ttgaacatca ctggatggca caacccactt ggcccatcaa cttgactcct tccacagggg
                                                                     2160
tatctttatt gtctccatca gagacagcca ggatgttggc tgtgatggac caagctcaca
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tgccacacca catcgttgaa cttgtgcaaa aatttagggg accacgtatt qcttgagqca
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tcatcacagg tccaaatgaa cacacgaccc atcctgggag cagctgggcg atggtgctgg
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tgggcaggcc cgatggaggg ggcccaggcc acatctcgaa acccagtcac tgtggcgctt
                                                                     2400
ctagettetg etecteette caetggeegt eetecteete ettecaeage ttgaatgagg
                                                                     2460
ttgtccacag ccacctgatg caaacctctt gatgtaattg ggtttctgac cccgatgggg
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                                                                     2640
agccagggaa gatggccccc natccgagac tacccaacag gcccaggaat ncaggaccgt
                                                                     2700
aagtccatgg ggggcccagc aacacccgaa gttcaacttg aggagtcgtg tccccgcatt
                                                                     2760
getegtgget etttetteee agggtgeegt ttteetetet ceagataatg aetttteegg
                                                                     2820
tcataggagc acgatgccag gatgttgccg taccatgggg tgagcccagg ccacttgcca
                                                                     2880
cacaggaccc tcatgacccc tgaggtcggc gataaggatc tgccctccat tgcgcacatc
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aaagattttg acggacctgt ctgatgagca ggttgccagg cgggtgccat agtagtccat
                                                                     3000
ctgggcgtcg tgaatcatgt cctcatggga ggtatccaca gtgttaatta ctgacacctc
                                                                     3060
tggactecce teggaatggt eegcaaggae ggggeeagag eeccecaaat etetaagegg
                                                                     3120
tggagggag ctgaacggct ccagcttggg atttgggact caggacggcc gaggaacccg
                                                                     3180
tgaaggccgc gaccgtggcc ttcaccctgc taggcctcct cagtacca
                                                                     3228
```

```
<210> 6998
<211> 803
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
```

```
<222> (645)...(382)
<223> similar to gi5911818 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 6998 ttttttttt ttgccaatgg aacaggacat catttaattg cctctagggt cctcctggga 60 120 gagggactgc ggggcctttg gcagagctct ggctgatgga accaacagag gtgcccatca gccagtgcca ggcaggatgg cggccccaat gcttggctgg gggcagccag catttggggc 180 tgttgcttaa gacaatttct gagactaatg ggtaaggaat gttgccttta gatggaggag 240 300 aggggactac atttagagag gagggaggag aagtggcctg cattggggga gggactctaa ggttaggtta ggaatgacag ggagttggtc aaaaggtcct tcatggccag gtgaaggctg 360 gggggagtgt ggtgatggag tccagcaggg gaactctgga caggcttgac tcaagccagc 420 ttcaggaact cctgcagcgt gttttgttcc acagcctcca cgaagagctc atagtcccca 480 cagtactggt ccccgttgac aatctggggt ggggtggcct tggggttgcc tgccaaggct 540 cgcatctcat ccctcagggc gttgtcctgg gagatgtcca ctagctggta ttggatgcgc 600 ttcccatcca ggattcgggt cacctcgctc tgctgggact tgatttcgcg ggagccggtg 660 accgacgtgc tgtagacgcg caggccgctc atgctggggg tagacagacg ggccggcggg 720 cagagggcgg cggtagcggc agctgcactg ccgggagacg acgccgccgc cgtgctcggg 780 agcggtttcc ttcctgcacg aaa 803

```
<210> 6999
<211> 1043
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (891)...(1025)
<223> similar to gi522145 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 6999 tgtaagtttg tggaaattgc cccacgacca tgcgctgaca gtcaatctac aagatgtggc 60 cactgegget geacaegaag etgecegagg aggeggeagg gaaggtgagg eceteaggga 120 aggggaggcc caggcaccag ggcccccatg ccggggcagg ccgtggggaa gggcagggac 180 tcacagcatg gcagccgagg gctccgggca gccgtcccgg gcctgcttga aggccaggtc 240 ggtgaactgc agcgcgtggt gctcccctaa gtccacgggg caggaacgca gcaccccgcc 300 acgcageege cagageegea cactgeeetg eeegeaegae geeateetge aaggaatgag 360 gactgageae tgeegeaget egeagegeee tgacecaceg ggagaegeag agacgeacag 420 ccaagccagg gggaggtgct cgggcctcgg ccccactcc gggcccagac cctctcccaa 480 catcgtggat gggcggctgc atcacctggt ttcatcaaaa aaggtgaccc ggaaggcctg 540 gacgtcaaag tcagtgtgcg cctttgccag aacgaccacc tcgccaccga ggcccacctg 600 gceggtgeee caggecacea ceatetgeaa caageecagg etgageeege aeggeaggge 660 cagtcggggc cacctcgatt ctgcaaggcc cagccgagcc ccacccggag gtggcttttc 720 tetcatgegg agaccageet etgagegtge ggeegtggag agtggaagga aaccageeee 780 tecatettet cateetgaag etttgggaet tetacagaga eeegcaatge tgageaetge 840 aacccattcg cagagaagta caaacccccc cgcaagccgg aaggtggata aaaagcagct 900

```
cgtggctggg cacagtggct catgcctgtg atcccagcac tttqqqaqqc tqaqqtqqqa
                                                                      960
ggactgcttg agccctggag tttgagacca gcctgagcaa tgtaatgaaa ccctatctct
                                                                     1020
acaaaaagtt aaaaaaacaa aaa
                                                                     1043
     <210> 7000
     <211> 762
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (234)...(402)
     <223> similar to gi3150527 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7000
attccagtgt ggtggaattc gaattattga ggggaagctg agaggcatag agggcatgga
                                                                       60
ctgtggagag gtggtgagcg catgggctgg tttggcccag gcaactcagc ctccttgagg
                                                                      120
ggccctcatg gtctctccca acccacatgc catgctgacc gtggtggtag aagtggagtc
                                                                      180
ggggagggt tcaggaacaa aacttcacct ttgacagtcc tgggccctga tgctgctcag
                                                                      240
gaggcagagc aggagctgct ggcacgtgtc caatccacac tgggctctct gggccgaggg
                                                                      300
tacagtgtgg ccctgttgct ccgggggagg gaaacagagg caccccqact tqtqcctcag
                                                                      360
ctgctgcaga tgctgtttga agaagctctg cccctcagct gctctgatcc tgtgcttagc
                                                                      420
actettagee tggtgeaggg cetgetgtet geteactete accatgteet geeeagggee
                                                                      480
tgaccctcct gaggggcccg ggacccagcg tgtgtggcaa ggggctctac ggatcctaca
                                                                      540
gctcccagga gccccagact gcccctgct gcgggtgttg gctggtgaag ttgttggtga
                                                                      600
ggaggcggag ggctctttgc cctggattgt ctcatggctc ttggaaggaa acaactacag
                                                                      660
tggcctactt cttcgcctgg acccccaagg tggccagggg gagagtgtgg agttctttgg
                                                                      720
gaagetetga gatetgteet taggeetgee teacceatea eg
                                                                      762
     <210> 7001
     <211> 2735
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (1335)...(2249)
    <223> similar to gi4159884 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

60

ttagattcag ctttgggaat ttgttccagg aactgcatca tccagcccaa aagcaaaaga

<400> 7001

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ggaaaatgca taagccagga tacctaaatg ttcctttatt taaacttgaa aatgtgactg
                                                                     120
caaaaggagt caagaagttt agtactcaac acatttcttc tttgtagaaa taactgctca
                                                                     180
agaagataaa ttgttaccta acagttgatt gatgaatatg aaatcagagc aagagggqct
                                                                     240
aattagagaa attactagct agggctattt acccaaacca tctatccaga ctgtagacat
                                                                    300
agaatcacca gatggctagg atcctggtgc agctggttcc cctttttcct taccctqaat
                                                                     360
gtcattaagg atgcattgcc aaatgctgcc cctctggcct gatgactaca ctccatattg
                                                                    420
gtcacctgcc ttcttttcc tacagtcttc ctccagacag gcacgccata caaccgacta
                                                                    480
cacttgggct cactgaatga atcacattct tctgctgtgc ctcccagaga tttcatcaaa
                                                                     540
gcaccegcag tggccttctg gaggctcctc aaactctcca ctcaatgttt cctgaaagtg
                                                                    600
tcgtgtttct cacctctaga ttgttattct catcagttac atgtgggttt cacaaattta
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tttctcagaa tgcaagtctg tctcttatat cctcgggaaa cacaccttta tatcccagtt
                                                                    720
agtactgaca aaaattaaac tagggactgg ccaaaaacag tgcctttcct cactttaatc
                                                                    780
tcactaaagt agataagact caagttattt tgttcttgca atggcattga caaatgtttg
                                                                    840
caccaaaaac catgttgaag ttcattaagg aaactgtgat ccaagatcca aggtcaaaaa
                                                                    900
aacaaattca tcaattcagc acaccaccaa ctcacaggct aagcatctta ctgctaattc
                                                                    960
attgatgctg ccatttgtca agtgccaaat tgaattattg atttgtcaat aatttccttc
                                                                   1020
cgttggttac ttatatagta tattgcaatt cttgttgctg aagtcagcta cacttttct
                                                                   1080
atttgaaaaa caatttcttg catttgggat ttcaggtata gtgattgtta caaatatgaa
                                                                   1140
ggacttgaat taacagcaag ttttcaagta aaactttact tatgtataac tgaatqaqtt
                                                                   1200
1260
tagactttaa aaaaaagcgt gtcacacagc tgcttgtttt ttgtttgttt ctttqtttgt
                                                                   1320
tttttagtag tgaaatggtg aaaaatcaga caatggtcac agagttcctc ctactgggat
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ttctcctggg cccaaggatt cagatgctcc tctttgggct cttctccctg ttctatgtct
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teaccetget ggggaatggg accatectgg ggeteatete actggaetee agaetecaca
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ccccatgta cttcttcctc tcacacctgg ccgtcgtcaa catcgcctat gcctgcaaca
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cagtgcccca gatgctggtg aacctcctgc atccagccaa gcccatctcc tttgctqqct
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gcatgacata gacctttctc tttttgagtt ttgcacatac tgaatgcctc ctgttggtgc
                                                                   1680
tgatgtccta cgatcggtac gtggccatct gccaccctct ccgatatttc atcatcatga
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cctggaaagt ctgcatcact ctggccatca cttcctggac atgtggctcc ctcctggcta
                                                                   1800
tggtccatgt gagcctcatc ctaagactgc ccttttgtgg gcctcgtgaa atcaaccact
                                                                   1860
tettetgtga aateetgtet gteeteagge tggeetgtge tgatacetgg eteaaceagg
                                                                   1920
tggtcatctt tgcagcctgc atgttcatcc tggtgggacc actctgcctg gtgctggtct
                                                                   1980
cctactcaca catcctggcg gccatcctga ggatccagtc tggggagggc cgcagaaagg
                                                                   2040
cettetecae etgetectee cacetetgeg tagtgggaet ettetttgge agegecateg
                                                                   2100
tcatgtacat ggcccctaag tcccgccatc ctgaggagca gcagaaggtc cttttctat
                                                                   2160
tttacagttc tttcaacccg atgctaaacc ccctgattta caacctgagg aatgtagagg
                                                                   2220
tcaagggtgc cctgaggaga gcactgtgca aggaaagtca ttcctaagag gtgtgacatt
                                                                   2280
tgaactgcca gcctcagttg tcacgtggac tcttgatgcc caattattgc ctcaatccag
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aaaagtttac ttctctttat ctgtgcttta ctgacagaag ggcaagtctt ctctcqtttt
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agacaatttt ttcttttatt tcacaattac tttaatatct ttgaccagca aatatctcca
                                                                   2520
ccctccaggg agaggtagta gcttctaggg aaaccatctt ggagagggtc ctgtcttccc
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ctgaggtggg ctttgaatcc agcactcttc cccttggagg gtcacttgga accagctaac
                                                                   2640
ttttcagggt cctttcttcc cagttctgct catacatctg tcatgtaaca ctttagtgtt
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ctatatttgc atagctgtat ccttccatta gtttg
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```

```
<210> 7002
<211> 2538
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
```

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<400> 7002
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ttteetteae tattgaeage tteagtttet gtaettaetg tgteateeta tecatteeet
                                                                      120
tecetgagee tgggaetget ettecaaggg agaetaggag tgaagggagg agteeteeca
                                                                      180
aagttaccct ttaagcttga taattagctc catagccatg ctaaagcatg actgtagatc
                                                                      240
cccaagtccc tgacacattt tcttctaaga aactggttag ccaagaaagt aaagacgtaa
                                                                      300
gccctgaaga tggcaaaagg gtgtcataat ctcccaaagt catctgtata ggatgcttca
                                                                      360
tttaaccett tttctttgc agacaaaggg gttaaaaatc tcttctttct accetatatc
                                                                      420
tttaaagagg gattgacaag ccccaaattt cccttttatg gaaaaggccc cagggtttct
                                                                      480
gggccaacaa ttcacttttt tcagtctctt aggtcctctt gcatgcctga gaatattgag
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tattcggaat ctcctaccag cccttggtaa atgaccctac caggtggaat agtttgagct
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ttatctgctc ttttttaatg ggatagaggg gaaggcaaca cgtcttattt tatcaaaaat
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tgcaaagcta cacgctcttt gtggagaagc accaaaagga aaaccttagt ttgaaaggat
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tcattgtaaa taaaaatagt aactcagccc tccattcagg gaggagaaag gcattttaaa
                                                                      780
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                                                                      900
agatgcctga aagagaaaag gcagcatttg ttacaggcat aatgttgtag aggaagaaac
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gacaacagca gtcccctgca ttcattttag aaccaagatg acgtctcaca gttgctctga
                                                                     1020
taaaaacaca gggactccct gctcttagca tacctatagt gctcacctag aaaatctatg
                                                                     1080
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cettttetgt cattetgttt gaetttetea agggageaaa agaaagttgt actaecagtt
                                                                     1260
aagtctccaa ggtgtcttta acccctccat ccccctagcc tttttggaag ggagtggtgt
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gggagatatg tggagaccct ttgtgcaggg caggggtggt ggtgcaaagt tatcagtaac
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tctgggtttc tctaagcact tggtgctgtc agagatgctt ggagatggag taccaaatga
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gtacctgtgc agaaataaag taggtgtaca gataagttgt gctgctcttg tcttgggatg
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gcagggttgg tggtgaagaa agtgccatag aaatggcagc acagaggcac cctcatcctc
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aagacgagca gctccttttt tagtaccatt ggctgtcttc ttccagtatc tcatttgttt
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aaataatagt tettggetea acaagettet aagtagtgge caactgttae aacagggttg
                                                                     1800
gtgggcaaat tttctttttg agttcctcca cttaccaggt taaacccctt cacatgggtg
                                                                     1860
ctccattgcc gccatgggct ttttgtcagg gataagggtg cagccagcca gcatgtccag
                                                                     1920
agaggccaag atagagtcat acaggcgatc tgcgtggctc tccagctcac cagactgctt
                                                                     1980
tgcgatcctc ccaaggacat cctctaaaac taacaatgag gttcaaagaa attaaaccag
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aaataaaacc catgcaagtg ttgtccagta agcattttca aaagaacata caagggtata
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gtattttaca caaagtagga cctggcagta gtttctgaat gtctgccctt ttttaacagt
                                                                     2160
gattetecag ggaettetgt tgeactggag aacetatgtt gttaaettet gattaaaget
                                                                     2220
aagaaaagaa ctcactgact ccactttgaa attacgtaat tcacagaagg gcacagagat
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attatggttt tctgatggct ggtattacct gactttagag gtaagacagg tatctctgta
                                                                     2340
agggcacatc cagatcctct tgggcataag gcttaaataa aatgacatgc caaggttcag
                                                                     2400
atgcttaccc ctggtaccag gtctatcagt ttctattggc tgggaagaat gttatttcac
                                                                     2460
atgggtggtc tgtaatagat ttgggagtgc ttgagaccct ttgttttgtg ggcctcagtg
                                                                     2520
aacagactga aaacctcq
                                                                     2538
```

```
<211> 1820
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1795)...(701)
<223> similar to gi62888 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

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<400> 7003
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ttgagatttt tatcattttt ttccttagaa aagaataaaa aataaaggca cccggaactt
                                                                      120
cccccacagg cctgaagaac aaaggtgtct cctaggtgca gctgggtcct tcctccctgg
                                                                      180
ctcagcccag ccccatcacc tctgcttcac tcctgcccca aggccccagc agcacccagg
                                                                      240
gggctctccc atcctgcctc cactgggctt gcccattgga aaagtgcctg tgtcctgcca
                                                                      300
gggcgtggca gggagggact cttagcagag tgactgccca gcacctggag gagcagggtg
                                                                      360
ggccaggcca ggccagcagt cctgaaggct cctgtcccca taggatggga aaggaataaa
                                                                      420
agccagcttt tgtgagttcc agagggtggc aggcacctgg ccacagagca tggataccct
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tgtgtcttct ccagggaacg gacggacaga tggacagggc agacggcgag ctgctatggc
                                                                      540
tgattctggc tggggcaaga gctgtctgtg gcataggctt tggagggctg ttcgcacatg
                                                                      600
acttgtgcat gtgtgtgtg gtggtgtgta tgcatacgca tacacatgtc agcaggggga
                                                                      660
gggaatgggt gcctgtgtgt gccagggcag gggcagaccc ttccctgcat gattcagagg
                                                                      720
gcgtggcagc ggtagtgggg gtgtgacaga gactgtggtg gtttggaggg tagttgtgtg
                                                                      780
tggctgagct gggtgtttga gggtgtgatg tgtgtgcatg tgtctggccg tgggacacgc
                                                                      840
cgtgggaagg ggtggggata tgagactgtg tcagcccgtg tcatgtggga tgcctcatgt
                                                                      900
gtgcagctgg gtgtgtctgt gtgagcacgg cagagtgggg ggctcacagc acacaggcgt
                                                                      960
gtgctgcaga aaagagtccg gcggtccatc atcctaggtc acatctgcat caccttgtca
                                                                     1020
ctatcttgtt tectetteet caaceteate etetteetee tecteetttt cetteeceaa
                                                                     1080
gcggccacgg tccttggaaa tgtcaccaaa ctctaagttg ccttcaatgt ccaagacctg
                                                                     1140
caggtgcttc agcctccgga aggcactgtc caccacggag cccacagcca gcttgttaaa
                                                                     1200
cctgagaaag atccccttga ggttgggcgt ggagtcgaag gcattggcgg gcaccgcact
                                                                     1260
aatcttgttg ttctgcaggt acaggtactc aagtgactcg gggagcccct cggggatctc
                                                                     1320
tgtgagctga ttcccggcga tgtccagcag ctgcagatgg gcgaggtcca cccaggcacg
                                                                     1380
ggggcccagg gctcggctgc gcagtcggtt gctggtgagg tacagctcac gcagctgagc
                                                                     1440
catgecegee agegeeete gtgecaagge agecagetea ttgegettga cetteageae
                                                                     1500
atggacattt cgaggcagcc caggtggcag catgtgcagc cggttgcccg acaggtccag
                                                                     1560
cgagcgcagc aggcgcagct tgcggaaggc gtcgcggtgc acctgtgggc tggtgatgcg
                                                                     1620
gttgtagctg aggttgagct cctccaggaa gtaggtggtg gcaaagtctt cgcggccaat
                                                                     1680
gcctgtgatc tggttgtgca ggatcatgaa ggcgcgcacg cggcgaggca ggccactggg
                                                                     1740
cacgcgctac agcgcgttat agtacaggtg cgccgtgtgc aaccgcttga ggccctggaa
                                                                     1800
ggcccggacg agtgggtcgg
                                                                     1820
```

```
<210> 7004
<211> 542
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
```

```
<222> (1) ... (543)
     <223> n = a,t,c or g
     <220>
     <221> misc feature
     <222> (436)...(257)
     <223> similar to gi3139158 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7004
cccgggtcga cccacgcgtc cggtattctg ctgttgttga gtggagtgtc ctgttaggtc
                                                                    60
aagttggett atagtgttat actaatette tatateetta eteattttaa ttetateaat
                                                                    120
tatctattat tgagagttaa ctccaactat aattttggat ttgtatatat gttcttgctt
                                                                    180
tgtttcttca tgctttctca aactctgttt ttaggtgcat aaacatttag gattgttacc
                                                                    240
tcttaatgag ttgagtcttt attactatga aacaacccct tttaaatctt ataatattct
                                                                   300
ttgctgtaaa atttactttt atattaatat gatcagctcc agctttcttt tatttaatqt
                                                                   360
tagcatggta tagttttttc caaccttttg cttttaacct qtttatqttc ttatacttaa
                                                                   420
                                                                   480
aatgcatttc ttgtaggtag tatatgattc tqccqtccqt atctcaccta atcntqanct
ctcgctaata cctaactgag tactccaatg gatctgacca tttccacggg cctaaaacgc
                                                                   540
                                                                   542
     <210> 7005
     <211> 5406
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (644)...(3425)
     <223> similar to gi2224653 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 7005
tttegtgeeg agagaeegea tegteggete ggaggetgag gggetgeege ggeegggage
                                                                    60
gcccctcgcc tcgctcctcg ctccgcttgg tgtcatgtga ttctctgagg gagcagctgc
                                                                   120
180
catcaagaag aagctggtgg gatccgtgaa ggccttgcag aagcagtacg tgtccctgga
                                                                   240
cacggtggtc actagtgaag acggagatgc caacaccatg tgcagcgcc tggaggccgt
                                                                   300
atttatecat ggeetgeacg ecaageacat eegagetgag geeggaggaa aaaggaagaa
                                                                   360
aagtgcccac cagaagcctc tgccccagcc tgtcttctgg cccctcctga aagctgtcac
                                                                   420
ccacaagtga gatttagctg gagaggtttt gctttgcaga ggagcagcag actatgggac
                                                                   480
acttggcttt tcctcccgg ctgttcagga agccaacaga ggtgccctgt gttctagcat
                                                                   540
aaagagagga cacatcatct cagagttgga gcacctgacg tttgtcaaca cggatgtggg
                                                                   600
ccgctgccgg gcatggctgc ggctggccct gaacgatggc ctgatggagt gctacctgaa
                                                                   660
getgetgetg caggageagg ceegettgea tgagtactae cageceaceg eeetgeteeg
                                                                   720
ggatgctgag gagggcgagt tecteettag etteetgeag ggeeteaegt eettgteett
                                                                   780
cgaactetee tacaagtetg ccatettaaa tgagtggacg etcaceecat tggceetgte
                                                                   840
```

```
tgggetttge cegetttetg agetggaece tetetetaee tetggtgeag aactacageg
                                                                    900
gaaggaatct ctggattcca tttcccattc ttcaggctct gaagacatcg aagtccatca
                                                                    960
ctegggeeat aagataegga ggaaceagaa getgaetgee teeteeetea geetggaeae
                                                                   1020
ggccagttca tcccagctgt cctgcagcct aaactctgat agctgcttac tccaagagaa
                                                                   1080
tggctccaag agtccagacc attgcgagga gcccatgtcc tgtgactcag acctgggcac
                                                                   1140
agcaaatget gaggaeteag aceggtetet geaagaggta ttgttggaat teagcaaage
                                                                   1200
1260
ggcctcgctc tccctccatg gcctcaacac cagcacatac ctgcactgtg aggcacctgc
                                                                   1320
agageceett eetgeecagg cageetetgg aacteaagat ggtgteeacg tgeaggagee
                                                                   1380
gegteeceag gegeecagee eeetggaett acageageet gtagagagea eetcaggeea
                                                                   1440
gcagccttct agtactgtca gcgagacagc cagagaagtg ggccaaggga atggcctgca
                                                                   1500
gaaggcccag gctcatgacg gagctggtct gaagctggta gtttcctcac ccaccagtcc
                                                                   1560
gaaaaacaag agctggatct cagaggatga cttctaccgg ccttcccggg agcaacccct
                                                                   1620
ggagagtgct tcagaccacc caatagcttc ttacaggggg actccagggt caaggcctgg
                                                                   1680
tetecacagg catttttete aagaaccaag aaaaaactge teeetggggg cgttagacca
                                                                   1740
agcgtgtgta ccttccccag gaagaaggca agcccaggca gccccatccc aggggcataa
                                                                   1800
gagetteegg gtggtacace ggagacagat gggactgtee aacceattee ggggteteat
                                                                   1860
gaagctgggc accgtggagc ggcggggggc aatgggcatc tggaaggagc tcttctgcga
                                                                   1920
gctctccccg ctggagttcc gcctctacct gagcaacgag gagcacacct gtgtggagaa
                                                                   1980
etgetegetg ettegetgtg agtetgtggg gecageceat agtgatggge getttgaget
                                                                   2040
ggtettetet ggeaagaage tggeeetgeg egeeteetee caggaegaag etgaggaetg
                                                                   2100
gctggaccgg gtgcgggagg ccctgcagaa ggtccggcct cagcaggagg atgagtgggt
                                                                   2160
gaacgtgcag tacccagacc agcctgagga accccccgag gcgccccagg gctgcctctc
                                                                   2220
teceteagae etgetetegg agecegegge eetceaggge acacagtttg aetggtegte
                                                                   2280
egeceaggtt ecagagecag atgecateaa ggagteeetg etgtaettgt acatggacag
                                                                   2340
gacctggatg ccctatatat tttctctgtc cttggaggct ctgaaatgtt tccgcatcag
                                                                   2400
gaacaatgag aagatgctga gtgacagcca cggcgtggag accatccggg acatcctgcc
                                                                   2460
agacaccage cttgggggcc catecttett caaaatcate acggccaagg ctgteetgaa
                                                                   2520
gctgcaggcc ggaaacgccg aggaagccgc cctgtggagg gatctggtcc gcaaagtcct
                                                                   2580
ggcatcctac ttggagacag ccgaggaggc ggtgaccctg ggcgggagcc tggatgaaaa
                                                                   2640
ctgtcaggag gtgctgaaat ttgccacccg ggagaatggc ttcctgctgc agtacctggt
                                                                   2700
ggctatcccc atggagaaag gccttgactc ccaaggctgc ttctgcgcag gctgctcccg
                                                                   2760
gcagategge tteteetttg taegaceeaa getetgtgee ttetetggee tetattaetg
                                                                   2820
tgacatetge caccaagacg atgeeteagt gatteeggee aggateatee acaactggga
                                                                   2880
cctcaccaag cgcccgatct gcaggcaggc cctgaagttt ctgacgcaga tccgggccca
                                                                   2940
gcccctcatc aacctgcaga tggtgaacgc gtctctgtac gagcatgtgg agcggatgca
                                                                   3000
cctcattggg aggagccggg agcagctgaa gctcctgggg gattacctgg gcctgtgccg
                                                                   3060
gagtggcgcc ctgaaggagc tcagcaagag gctcaaccac cggaattatc tcttggagtc
                                                                   3120
teegeatagg tteegtgttg etgaceteeg geagategea gatgaggtat atgaaggatt
                                                                   3180
cctcaaggcc ctgattgaat ttgcctccca gcatgtctac cactgcgacc tgtgcaccca
                                                                   3240
gcgcagcttc atctgccaga tctgccagca ccacgacatc atcttcccct ctgagtttga
                                                                   3300
caccacagte aggtgtgcca agtgcaagac cgtcttccac cagagetgcc aggctgtggt
                                                                   3360
gaagaagggc tgcccccgct gtgctcgctg acgcaagtac cagcaacaga acgttttcgc
                                                                   3420
cttaatcccc aatctgttga ccccgctctg aaagccgggg ttgagtgtgg ctcagccatc
                                                                   3480
eeggetgggt tteetaatea geeeaggata eteacegtgt cacagetgtg teeeeettgt
                                                                   3540
cagggaagac cctcaagatg tggccagagc accggcctcc cagaggaaag cccaggaagt
                                                                   3600
eccegtggtg teccetggee etecceccae ecctetgetg caggaggegt ggccaccace
                                                                   3660
agatgeteee tgtetgggge aggeagggee gtttacteae caggeeetgg etcaccageg
                                                                   3720
teceggegee teegttaggg etggeeaaac aetgtggaaa ggggaettgg ggaacatttt
                                                                   3780
caattccaca ttcctgatta aaaggtctgg ttttttaagg tgggtttttc ccattcatat
                                                                   3840
ttcaacagaa agtattttt tattcttgac cctacgtgag tcacccatga aatccagaca
                                                                   3900
ttctcacccc cagcggatgc acaggagcca ctcaggcctg gcttaaaggt agcgggtggc
                                                                   3960
tggtgggcag gccactgctg ggacagggtc tatgggccca cccagtgcct ttccttggcc
                                                                   4020
4080
cctctgtgtc ctctttactc cccaccccag tgcgtctcgc ctgctgagcc caccgctttc
                                                                   4140
tcagcgtcag agcccctagc tcttctctag cctggggcct tggccccatt aggagaagga
                                                                   4200
gaaatgactg gaaaccagca ctgtcagcac tttgagccct cctcggttta tggagggtcg
                                                                   4260
```

```
cegtettgee cacecegat eccegtgege tecteacece tetacagaca ggggegetge
                                                                     4320
tgcagatgct ccaggcccac cttggtgggt gcccggggtc acactctctg cctgactgac
                                                                     4380
ccctgccagg gcacagatag gcaggacccc agagagggca ggcagccacg ccctgcactg
                                                                     4440
tggagaagtg acctggtcct aagctgtgca gggcgtgcgg gggaactgcc ctgtggatgc
                                                                     4500
agccaccacc tcacaaagcc atgaattccc aaagcatcac tgaacttgcc cagccgggac
                                                                     4560
actggagact gaagaagttc cccggagcag gactgccttt gaaggggcct tggggctggg
                                                                     4620
gtgggagtct ggaattgttt tcaaagtgat ggtcagaccc tccaggcttc ggggaaatgt
                                                                     4680
gggtttgctg gtctctctgt cgccttcccc cacctctcct ggacctagca ggccctcagt
                                                                     4740
cctagctgtc ttacctgcgc tcagcttgga gtcaggcctc aggtggagag ccgcatgtca
                                                                     4800
ctgtcagaga tgagcccacc cccaccette cetgggggeg attagetget gagtcaceca
                                                                     4860
cccagcettg gagetggatg cctgtgcage agaacagagg caacggtggc aggeaggtgg
                                                                     4920
aggetgegea cagettetee eggteatgge acacacetgt geceagaege caatgeetee
                                                                     4980
taagccagga gctgggttat gcacccgcca tggccccaca ttaacgctcc caccacaagc
                                                                     5040
cccagcccta gtcagagccc ctcattgccc cccatccctg agtgggcagg agccctggcc
                                                                     5100
cggggagggc ttgggcctgt gaggattctc ccccgaaggt gccctcggag gcaccaggtt
                                                                     5160
tgaggccctg ggggccccgt tccccagaag ctgccagtgc tctcagatgc attgactctt
                                                                     5220
cccgcctccc ctccctcaga aaggtagtcc ccacactatt tttaaaatgt tctcttatgc
                                                                     5280
aatacactgt teetagtgag geagggetet ggeeetgagg agtetttgea atgtattgaa
                                                                     5340
ggaattgctc ccgtgtgagt tttgactgat tttgcagtaa ggacctgatc tttctcaaaa
                                                                     5400
aaaaaa
                                                                     5406
```

```
<210> 7006
<211> 1026
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (887)...(28)
<223> similar to gill074 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7006
ttttttttt ttgcgaaaat agtgggaata tatttgaaaa gacaagtcac tatgatgttt
                                                                       60
acagtacaac ctcagggccc ctccgcactt ggtttgcgac actccggagg cgttttgaat
                                                                      120
ggcctacaac accttccaga gaggcggtct gggcctgatt tggtctcttt caaatatcaa
                                                                      180
aataaaaact tttgacgtac acattgcacc caagtaaaaa ctaaacaata gagcaaaaca
                                                                      240
aaccatggat cttcaagata cttatggaga gaagggtgag aaggaagccc tctcaccctt
                                                                      300
tgacccacct tcacaggcac gacgctgtga gaggacacgt gcgtcccagg cctgggttgg
                                                                      360
gtcggtgcat gagggtgccc tggccagggc agcggctctg cagccccagc cctgagcatc
                                                                      420
cccgtccggc agcacagacc tcaggcttgc agcccggcag gggaggcagg gagagcgccg
                                                                      480
ccatgcaggt gcccgtgccc tcgacacagc catggtgggg cttccctgac cccgtctgtc
                                                                      540
ccacccaata cccccattaa aaaaaaaaaa tcaaggaagc ctgtgttcac attacaacac
                                                                      600
aaaaatagca ccagaaactt cagagtaaca ttgcaaatag gtggagccca gagctccgta
                                                                      660
cagcagggag gctctagagg gcggccatgg aggctgggag ggaacgagga gggcccgcgg
                                                                      720
gagetggeae aggggeggtt tetteecagt tecataeggg aacceggtte etggggteaa
                                                                      780
ggtgtgctag agatgggctt ttctcccgca gcgcaaatgg aggctggcat gaccctgtgg
                                                                      840
tcagagggag gaggcatgac cctgtggtca gagggaggag gcatgaccct gtggtcagag
                                                                      900
ggaggaggcc tgttgtgctc ttgggggacc aggcggctca gaagcaaccc ttctaagtag
                                                                      960
tgagcactgc cttcccccac gtggtttcta aggtcacttt ggaattccag caacagcagc
                                                                     1020
```

aagact 1026

```
<210> 7007
<211> 8689
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (8125)...(1242)
<223> similar to gi3716028 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7007 ttttttttt ttagggggg gagcatttat tttaattttt gtcttgcagc tctttgtaga 60 ggacctagcc tttctttact gaactgaagg ggtttggtcc catcacccga agactggccc 120 acctgcccac acaggtgggg gcacaggagg tctgggaggc cccaggaggt ggaagttcaa 180 aagcettgee tggeeetgte cateceaetg getgaggeea ggeeggaggg ecaaeeecag 240 gggccctttg tatgcaagcc gacccaaaca agggcccagt gcatagttaa gacacaaaca 300 ccacacaget gtccagagec tecaaageac tgtttateca ggetecatgg aaccaagtge 360 ccccagctgc ctgccctagt cctcaggggg gcactggcac cgcagtggcc tcggcctgag 420 accetegatg ageceeagee taacetgete caaagecaet gacacatgea tgtttagece 480 ttggcccatc aagatggggc cctgggaatg aactggctgc agaccctcct ccatcccaca 540 eccccagggg ctccatcagt cetggetage teagcaccat gttaaatage tteettgcaa 600 tetecettaa ataaaceeat eeccagagea acetaceeae eetgeaceet gaatatatta 660 tectattgge ttatgeette tagactggag gegetetete etettgeeet etacteeagg 720 ggataccatc tecetaaaaa accaggggag gaagtttttt teteaactet ggggeagaga 780 caaagggtgg cctgggttgg agtggaaaag ccaggaatag cttcctctgt cccttcctc 840 cccagggtac ttccttctcc ttgccctctt agcagcctgg gtcaggcgcg acttacccaa 900 ggtcacagac ccaggaccca gagtcatgac ccatgtagga ggttaccctg gttttgacag 960 cccaaaccag ctccagggca ggaggactga acttaagcct gcctccacct tggcccctgc 1020 agttctccag gctcggagtg agctgaggga ggttccagct cttgactcca ctctgtcccg 1080 gacccctggg actatctccc aggaccctcc acccctggtg tctccaggtc tctcttgctc 1140 tggggatact cagacagcac cgggcatgga agcaatgggg cccgggacat gggcaagcct 1200 gtccctggcc cgatcagcat ctgggcccag gccaggcctc acacccagta ctggccattc 1260 ttaagggcag ggttgggtgt ccggcagaac tgcagcagct ctgggtcagg ctggcctcct 1320 1380 cgaaaggtct cggtgtcacc agccaggccg ttgcggggct tggcagtcag gacctggacg 1440 tcatgcttgc ccgtcttgtt gcgttttcgg aggtagaaga gcaggggcag gatgagcgcc 1500 aggagcagaa gtaccaggca catggggatg atgacgctga acatgttggc ctcaaggaag 1560 ctcaggaagc ctcccttggc cacagcgggc tcagggctgg atgccatggg gcctggctcg 1620 cctgtggggg tgctgctctc tggcttccct gcttccgtcc gggcggcctc ggggacactg 1680 agcagggcca cgctgtaggg ccgggcagca ttgtaaggct cagtggcaaa gtccagggag 1740 gccacagcag gcgggacgcc ctgtgcccac agctccagag tgagactgtc acctgcgggg 1800 ccgggggccc tcccctctgg cctgcccacc tccagcccca gcctcccgtc ctcaaggtcc 1860 tgctgagtga actgctccac cagctggctg cccccgggct ccgtcctggc tcggggcacg 1920 cggaccacgc ggccatgccg gggtccctcc aggaggcgga agcgcggcac actgcctgtg 1980 cggttggcca gctcgccagc atctaggacg gtggggtcca ggcgcagggt ggcaccctgg 2040 ggccatggcc cacctgccca cacatgcagc agagccctca cagtgacgtt cactacggct 2100 gatgcattga cacccctagc cagtgccagg actctgaagt ggtcatgaga ggaggagaag 2160

```
ttggtgaagg Caaagaccac ctcgccctgg tctatctgga attggctgaa ggccgaggtg
                                                                     2220
ggccgcccgc ccaccaggag atgcccatac tggggtccct ggatgaggcg gtatgctgcc
                                                                     2280
tetggeteet eeegatetga aaccaeeegg agetgetget ggeteagtga ggagegeeee
                                                                     2340
aaagettggg geaceteeag gggtgeeege agetgeacet egatggegga tggtaggatg
                                                                     2400
tecacageca gggacatggg caggggtggg ctggccccat cagacatget cagetggaag
                                                                     2460
atgcctgcca cgctgctccc gttggccacg aaggccagcc gccctgaatc cacatcggct
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tgcgtgaagc gggtcacggg ccccaggcca ccacccacca ggctgaggaa gccgttgtgg
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ggtgcccgct ggacctcgta ctcaatctcc ccaggagctg agtctgggtc caccacactc
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tggggtccag ccacggaggc ccctgctggc ccctggaggt gggcacgaaa gtggaagcca
                                                                     2820
tectgetggg tgecceace geegtgggea tacactaget geeetgeage cagetgggae
                                                                     2880
tgcaggaagt ggggctgccc agcatggagg ggctcctcgg acaccaacag ctggcccgg
                                                                     2940
ctggggaact gtgtgacctg gaagagcaca tcatgctctg agcgctgggg tgatggaacg
                                                                     3000
etggccaaga gattggagge atccagagca gccacggtga teetggcccg etggccctcg
                                                                     3060
gggacccaga gacctttgtt cttccagagg tggctggggc gctggggaca ggcagcctca
                                                                     3120
aaagacacag ccacagcaag ggtggcggcc acgtcccggg caggcggcga ggacagctgg
                                                                     3180
agctctaggg tatcatgggc ctcccaaaag ggctcggggg gcatctcatg ctcatacaga
                                                                     3240
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                                                                     3300
tgctgggcgt ggaacagccg gcctagctgg gggccccgca ccacacggta gagcaggagc
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gaccetggge agacagteag tgtetggetg ceetteageg agaggageae ttgettetgg
                                                                     3480
gccgtcactc ggaagaagtg tccgggggaa gtgtgctcgc cgtcagagag gcggaacggg
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aagcctccat ccagggttcc tctgtgtgag aacagcacga gcccgccgtc cagctgggcc
                                                                     3600
tgcgtgaagc tgcgcacctc agtgcccggc gcccccgca gcactacccg cccgttgctg
                                                                     3660
ggctgctcga tggtgtagac cagatcctca gacccagagt cgccgtccgt gctcctcaga
                                                                     3720
gcctccgcag ggatgggcgc agtggccccc tcccacatct gcaggcctgt gtttgtagtg
                                                                     3780
aggatggggg gttggtcatt gacaggcagg acagtgacag tgaaggccac aggatggctc
                                                                     3840
tggcgatcca tctcggaggc attagccatc aggacaaaac tgtctgtcag tgtctcgctc
                                                                     3900
ccgtcatgca cgtagcggat cagctgctct tccaccattc tccaggagaa ggcgctgagg
                                                                     3960
gtcctggctt gaggtccgtc ctccttctgc aggggtccat gctggggtgg ctccagcacc
                                                                     4020
tgcaggctga ggcccaggag agtggggaag tagggcccgg agacacggag cagtggaggg
                                                                     4080
gccagggtga ggctgccacc ctcagggacg ctgaagtttt gcgcctctag tgggatggca
                                                                     4140
gcgggcagca cctccagctc cacaaggacg ccctcgaggg gagcacccag gcctgaggcc
                                                                     4200
acatccageg agaaggcate getecaggee teagggeggg agtgcaggta caggaccetg
                                                                     4260
cctgtgtcca ctgcctcctg ggagaagctc tgcacagggt ccaggctggg tggctcatct
                                                                     4320
gccaaggege caegegacae cateaceagg tageeggeae teggtggget etteactgag
                                                                     4380
aatacgatgt ctgcaggtgg cactgcctcc tgggctgcct ccagctggtc ccttctgatc
                                                                     4440
teagetgeet etecetggaa gaegtagate ttettgtgee ggaecagett cagtggggee
                                                                     4500
agtgggccct ctagggcaat ggtcacttgt agggtggcat ccgtgtgcac tggccctgct
                                                                     4560
tccacggaga aggccatggt gtcttcgggg ctgaggctgc cattgtggct atagagaacg
                                                                     4620
gccccatcca gcaggtcctg ctgggagaag gctgtggctg gctgaccagc ccggactagt
                                                                     4680
tgtccccagc gagggccagc tgtgacgtgg tagtggacct catccccact gcggatgtcg
                                                                     4740
aggttggtgt ccaggtggag cacggccgtg tcgatggtgc cctggcctcc ttgagggacc
                                                                     4800
acaaggetgg ageegttgge cacaeggagg tagggtteeg aggeetgeac etecageage
                                                                     4860
gcagtggcct ggtgttgccc gtcggacacc tgcagctgga tccagccacg gtcagccct
                                                                     4920
gagtgcacga acagtactcg cctcttcctg aggtcctcct gggtgaagcg gtagatgggc
                                                                     4980
cgcgtgggct catctacggc cacgatactg ccaaagagga ggtccttgcg ggtaagcacc
                                                                     5040
agctgggcgt cagcaaagcc cgagtcagca tcgctgaagg ccacgtcgtc tgtagtcagc
                                                                     5100
agccgccgcc cacccgggc cacatggaag atccggctga tggtctgcac aggggcgtgg
                                                                     5160
tcattcacgg gctggatggc cactcggaag acaccccgta cctcctccca ggccatgtca
                                                                     5220
ccactgctct cgccctggcg ggtagcaaca aatgggatat catcttctgt ggtctcggag
                                                                     5280
tcatcatgct ggtagaccag ccggccacgc aacaggtctt cattggtgaa ggatgtcacc
                                                                     5340
atagtggtet tgteetgtgt eccaegecaa gecaaeetee caaggegggg eegetecatg
                                                                     5400
acctcataga ggtagctggc actgttgaga ctcttgacaa agaggtggtc agcagagagg
                                                                     5460
acaccctcac caccctcagg caccacgagg aggacattgg tgaggacagg cgcatctggg
                                                                     5520
tcaccaccaa tgtggatggg gaaggtatag agtggggaga aatatggtgg agctgtgaca
                                                                     5580
```

```
cggaaacgga aggtgtcctc gactgcctct gaggcacgag ctgtggcccc ataggtcacc
                                                                    5640
eggecageet gtatgteate etgggtgaag eeetggeeat etgaeageet tgtgeeetgt
                                                                    5700
agttgaaggt tgcctttcct gggagcctga accacctcat aatggaaggt tggggggctt
                                                                    5760
gggcctgcct cctccagggt ggcctccagg tgggctgtgg tgagggtctc ctgctgggtg
                                                                    5820
ttctgagtgt gcagtggctc cagccgcagc atccacacag tggctctctg gatggtcact
                                                                    5880
gggaaggaca gattgctcag gatctcctgg cccacctgca cctccagggc caggttctcc
                                                                    5940
acggtgtcgt aagcgtggtg ctgtgggtca gtgctcaggt acctcacgcg gccctgctcc
                                                                    6000
acatcccgct ggtggaacgc ctgtgtggcc caccactcag caccctccac cccacctgta
                                                                    6060
ctatgcttct gcagctcccc aaactgcagg gccccagtga cgcggaacag cacgctcaca
                                                                    6120
tectgeecea eggeattggt etceaecgae aggttggegg geaagatggg eatggeagag
                                                                    6180
cettgggcca gtcgcaacce tgtgctgcgg tggatctgta tggccggccg gatggccacc
                                                                    6240
accttcageg tggccggggg gctggcctgc agtccatcgc tgacccggaa cgtcaagtcc
                                                                    6300
tgtgcaggac caccgcagtg gacatagact aggctgccgg cctccaactc ccggcaggag
                                                                    6360
aactcggtcg ccggctcccc aggctggtct cggcgctcca cggggaggcc agaggaggtg
                                                                    6420
ccaaggacct ggaaggtgag gccctcacag gcagagtccg ggtcataggc ctggaaaacc
                                                                    6480
teaggeeeca geggettetg egtgtgttee aggateacea tgaggetgee atgtgggaag
                                                                    6540
atgatgtggg gtgggtcatt gacagggttg acctggatgg gcaggaggta tgtttggccc
                                                                    6600
etccgaagge atgagggeat gggeacccga geegteaccg acacetecag caccaqetqq
                                                                    6660
teggaggtgt ceteagagee ategtggatg aagegggeet tgeggtteae caegteeagg
                                                                    6720
agggtgaaca tttttcgtgc ctgggcaccc aggatgtcca gctcgagctc gccatagtgt
                                                                    6780
geceeteggg teaegetgaa eageaeetgg gatttgegea geteageete cateaggtee
                                                                    6840
agcgtgggct gcacatgcct ccactcaagc caggctgtgc caccctcggc caccaccagt
                                                                    6900
gggctgatag tcagcagctg ggtgaaattg gcaaagacag gaggcagccc tggctcaggc
                                                                    6960
acgcatggct caggcagctc catggctggc caagcctcgg gagccagggt ggagaaagct
                                                                    7020
tcataatggc cataggcatc gtcctcatac tcctcctcct ccagcctgca gccggctgcc
                                                                    7080
atgttgcgcg tcagcaaagc ttcccgcagc ccccgcctct ggccattgac actgaggtct
                                                                    7140
tccatgcagc ccagcaggga ggcattggtg gcctctggtg tcaggcccag gcggtgttcc
                                                                    7200
tggaggtgac gagaggcctc tgcatccagc cccccgagaa ggagactgcc ccgtggctcc
                                                                    7260
aggtagctga ggactcctcg gttcgaagta tgcgtagggt actggtccac ggagatttcc
                                                                    7320
agccggtgag cattgatgtg gacactgacc tcatggggct gcccatcggc cacaggcaca
                                                                    7380
ctgttgtgga gcaatacggt accetggece ttetecacca eggeeegeag gtggeeetea
                                                                    7440
aatatgtcca catagatgaa gtccccacgc cggccccctg cctggaaggc caagggtgcc
                                                                    7500
tgccggctct gtgtggtgag tgtaaactct agggttcctt cgtcctgagt gccccaggca
                                                                    7560
gggaaggcag ccagagagtg gggcccagag aagcccaggg ccacatcatc actggcagaa
                                                                    7620
aactetteag cacageeete atgeacateg ggggteagag geeggaggag getgeggeea
                                                                    7680
ttgagggtgg ctgcatggag gcaacccctc aggggtcggc tggttcccct caggtagggc
                                                                    7740
aggccaaggg tcccagtgcc cccaacaaag agcccatagg ggacctctag gggggctcct
                                                                    7800
gggactgctg aggaggcgtt cagaaaccca tcgactgaca acgtggccca gccctctacg
                                                                    7860
acagtcagca ccacagtgtg ggggatggag tcactcagca gcgtctctgc tggagtctgc
                                                                    7920
agcctcagct cctcctggcc cagaacaagt ctgacctgca ggtgtccaga gtagagctgc
                                                                    7980
agcaggaggt ggtcagctgg gcctgctgcc aggagaagga gggcttcggg ttgggacatg
                                                                    8040
gagaactgca gctgcaggtc tatgtcagtc agagccatgg ccacagtcac ctccgggtgg
                                                                    8100
ttctaaccaa agaaggaagc gaactgttgt ccttagtatc ttctagacgt tccagaactg
                                                                    8160
atgtcagatt tggctcatca gagtccacag accatatcgg tgaagaagat gaataggatt
                                                                    8220
cctgctgcat ccagggtaca atgcgccttt ccagaacaca gcagcgaccc ggggtagagg
                                                                    8280
gatcgctcaa acagcaccag aggctgcatt ccaacttttc ctccatcaac gagtccgttt
                                                                    8340
tcattgttag tttctcctta aacacgattg gctgaacatg cgggaacaag gaaaacctga
                                                                    8400
ccgtttcggc ggctgcagga gtccagagca tgcgcgcgct tccggctgcc ccctcctcgc
                                                                    8460
cttgacccag cactgctgga cccatctggt ccgttcttca cactcgcgga ctggaggctc
                                                                    8520
cgggcagcac aaccaccaac tcgtgtgtgt gttggggtgg gggtgggggg cacaaaacca
                                                                    8580
8640
cactgctgag ttcaggctat cagctcatgg actgtcagca aaaacgaaa
                                                                    8689
```

```
<210> 7008
<211> 1331
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1039)...(203)
<223> similar to gi3763920 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7008
ttttttttt ttcatacaca agccggtgat actttattat ataagagagt tgtcaaaagg
                                                                      60
acagtttcat ttctgtttca gaatccccac attccagtga tccatctgtt gacacaatta
                                                                     120
acataaacta tttgctgata tttactgagt gcttgcaatg tatcagagtc attaaataag
                                                                     180
atgcaacttc tactgtgaaa actggaatct tcattaggac acagacttag aaaaggccca
                                                                     240
gtttcaagga ttctgacttg cacagactga gcactcccat ttccagaagt tcgaatacct
                                                                     300
cettlettat etegggaatg tecateatte tecteaaett etqatetete eaqttecaqt
                                                                     360
caaaaaccag aaattttaag gggctcaaat taaggccacc ttgtttaaca agttctttaa
                                                                     420
ttctccccgg agttcctaca cccaqqtqca ccacacqctt ctccaqcaac tttacctqcq
                                                                     480
cctggacctt tatgtgcttt gcaaataatt ttataacttt gccgtctcct ctgaatqctq
                                                                     540
tcatcgacct aatgagctcc agggctcgga cggccgagct gcagatgatc agcatcagga
                                                                     600
ccgatttctt ctcactgtgg ttcttcctaa gttttaccca cttaqqacaa atttctttta
                                                                     660
ggtatgagga aagactgtga gtcaaatcat tggccttgag gaaacaqqag tctqqcaqqt
                                                                     720
tcagttcttc taattcaatc accaagcgtc tgctgctata atagtccttc atcagcttct
                                                                     780
gtaggtette aggtaaceet ggttttggtt etgattttge aagaacatea gtaattttet
                                                                     840
tctttcttct tttcctggtc ttggtggtat tctcttttct ttcctttggt tgtatcaaaa
                                                                     900
aacattcttt aggctgtttg gttttctctg aaggtacagg aactggaact gtctcctgct
                                                                     960
geateactte tgtgteteet teteetteae catetgatge ttetgggetg etgeetgete
                                                                    1020
cagteggetg gtteteceae cactegtete egagategte tgecatttea geteaqqtet
                                                                    1080
cgacgtgggc agaacatcac gggtaggcga ccagctgcgg agaatcacqt tqtctcaaaq
                                                                    1140
ccaggcggcc ggcgtagcta cacgcggagc tcccgctaga cactgtcgcc tccgcccgc
                                                                    1200
ggegatgaeg teacacetet geeeegeete teeggeagee geteeeagae tegtegeagt
                                                                    1260
ttccacacag gcgccgacag gcagaagcag tttggaaacg caacataaat ccccccaaag
                                                                    1320
atttatactt g
                                                                    1331
```

```
<210> 7009
<211> 971
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (554)...(871)
<223> similar to gi296594 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7009
ttttttttt ttgatctaag aaactttatt gctcagaacc ttccctccct gggcaatgga
                                                                       60
aagagetttg gagaccagee catggggaca gagtcagagg cactgggtgt aaaaaagage
                                                                      120
gagcgtgtgg cacatttggt ccattgtcat gtgcgggtat ggcaggagga gggggtaatc
                                                                      180
tagaageece acatetaggg cettetaggg acceagatat geceettag geaaggetea
                                                                      240
catgccaaag caaagcagat gaggtcagcc tggcttgggt tgagggctca gtgcctctta
                                                                      300
gccttgccct ggggttcttg gaccttccgg aaactgagcc acatcaggct cacgttgata
                                                                      360
gcataggtgg tgatacaaac aatgcagaaa tcatagagca cgaagaacag gatccaggcc
                                                                      420
aggtagacag aaccagcgag agacaccagg gagctcagca gcatcaggac agaggcccag
                                                                      480
cgtgtccgca ggcaacctaa caatagctgt agtgtgtaga agatgcaacc gaatatgctg
                                                                      540
ttggattgat tgaggatgct gtcctgtccc agcacatgct ccaccagccc gaaacccctg
                                                                      600
ccccacctgg aggagaagac gcgcgaacag ctgatggcgg tgcccacgtc gcagagcgcg
                                                                      660
cggtaatccc ggtcccgggc gcgcgccgcc ttcacgtgca gcgcgtagag cgagagcact
                                                                      720
aagcccgtca ggcaaagagc gagccgcacc cagccagggc tcccccaggt gctgcccatt
                                                                      780
atctccaggt tccgcccgag gcgcccgcgg agaaaaccag ccacggagca ggggccgggc
                                                                      840
ggcgaatggc cgcgcccctc ctggccctct gactcggcga ttggccggcc gtgctcgcac
                                                                      900
tccacgaccc aaatggctgt tccagggcgc tagtcaagcg ggcgagttag gaaaacagcg
                                                                      960
aagaatgccg g
                                                                      971
```

```
<210> 7010
<211> 1509
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (358)...(193)
<223> similar to gil213130 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7010
ttttttttt ttcccaaaaa actttattta ttgtttcaag tggcaaaatg tcattggtct
                                                                       60
ctgtggggta cctggcgggg cagacggaga cctggggtga ggcagggata cagtcccacc
                                                                      120
cattataaaa atcaaaggct tttataaaaa atgctataaa ttggtatcaa aagaaaaccc
                                                                      180
aagggaggct ggaggaggaa gcagagaggg agagggaagg aggagaggaa gggacaaaac
                                                                      240
cttcaaccac tagtgatgaa atccagggaa gggaaggtgt ggggggagtt cggagggtga
                                                                      300
tacaaagtgc ataaatgtgc ctccccagac gctcctcaga ggtggagggg acagaggctg
                                                                      360
cagcctgggg catggtgggg ctccagccgt ctcctcaccc agggacccca caggaatggg
                                                                      420
cactgcctga gactgccagg tgggaagaac ctcagtgact tctcagacct tcttctt
                                                                      480
cagtttcagg gcttgaagcc agttgggcga cgatccttct gacctaggag gcagacggca
                                                                      540
aaggtccaga atgcaaactt tgaggaaact gaacacaaca aggagacgtg atagggacag
                                                                      600
aaaccaccct ctaaccagaa gaggcagtct ggggcctggc tgcagggacc caaattctga
                                                                      660
caccatette atacegttea tetggggeat gtecgaetga ggtteetett tgageeteag
                                                                      720
tttgcctctt ctgtgaagtg agagtttccc ttttcatcag ggtaatacag tgaggtcagc
                                                                      780
ggatgcccag agcttaggtc acctaccctg aggatttctc tggcttggga ggtaacgtga
                                                                      840
ggggctttcc cagtcctggg accttgcagg atttcgaacg ctggaccgcg gactccttct
                                                                      900
ggctcgactt gctctcagcc agctctccct cctcagctga gcgattccgg gggcgcagct
                                                                      960
tggccttcag ggctgagggg ctcaggccag gaaagaggtt gactttcagc cccttggtgc
                                                                     1020
ccaacgacat ccgtgtccgg cggctctgag gttcctccac tacctcttca tctgaagatg
                                                                     1080
gcacccgaga tgcccgtggc tctgtagagt cctggaacag gtgtgcatcc gagtctgctg
                                                                     1140
```

```
cctccgacaggcccaaggtacccccaggccgaatgaccggggcccggtgcccacgcttgcgccccaagttggcacggctccgatacatggcactgtcgaggatctcggtgtcctcaatgaaggagaagtcctgactgggggatctggcaggagggccttgggagggtcgccgagaagtctgtgctggccctgatcgctccacctggctgctgaagagccccaggtgccatccacgtcttctgtctggctggcctcaccatcaggctgcggcctccaggagggtggagagtccctgccaggctccagcacctcctcttgggcagcacctgccccggctccttcctccgccgaattccaccgcactagac
```

```
<210> 7011
<211> 1424
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1235)...(555)
<223> similar to gil3009 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7011
agactcgaag actctgagct tgtaggaggg taaaatagag acccagtaaa attgtaataa
                                                                       60
gcagtgcttg aattatttgg tttcggttgt tttctattag actatggtga gctcaggtga
                                                                      120
ttgatactcc tgatgcgagt aatacggatg tgtttaggag tgggacttct aggggattta
                                                                      180
gcggggtgat gcctgttggg ggccagtgcc ctcctagttg gggggtaggg gctaggctgg
                                                                      240
agtggtaaaa ggctcagaaa aatcctgcga agaaaaaaac ttctgaggta ataaatagga
                                                                      300
ttatcccgta tcgaaggcct ttttggacag gtggtgtgtg gtggccttgg tatgtgcttt
                                                                      360
ctcgtgttac atcgcgccat cattggtata tggttagtgg gttggttagt aggcctagta
                                                                      420
tgaggagcgt tatggagtgg aagtgaaatc acatggctag gccggaggtc attaggaggg
                                                                      480
ctgagagggc ccctgttagg ggtcatgggc tgggttttac tatatgatag gcatgtgatt
                                                                      540
ggtgggtcat tatgtgttgt cgtgcaggta gaggcttact agaagtgtga aaacgtaggc
                                                                      600
ttggattaag gcgacagcga tttctaggat agtcagtaga attagaattg tgaagatgat
                                                                      660
aagtgtagag ggaaggttaa tggttgatat tgctagggtg gcgcttccaa ttaggtgcat
                                                                      720
gagtaggtgg cctgcagtaa tgttagcggt taggcgtacg gctagggcta ttggttgaat
                                                                      780
gagtaggctg atggtttcga taataactag tatggggata aggggtgtag gtgtgccttg
                                                                      840
tggtaagaag tgggctaggg catttttaat cttagagcga aagcctataa tcactgcgcc
                                                                      900
cgctcataag gggatggcca tggctaggtt tatagatagt tgggtggttg gtgtaaatga
                                                                      960
gtgaggcagg agtccgagga ggttagttgt ggcaataaaa atgattaagg atactagtat
                                                                     1020
aagagatcag gttcgtcctt tagtgttgtg tatggttatc atttgttttg aggttagttt
                                                                     1080
gattagtcat tgttgggtgg tgattagtcg gttgttgatg agatatttgg aggtggggat
                                                                     1140
caatagaggg ggaaatagaa tgatcagtac tgcggcgggt aggcctagga ttgtgggggc
                                                                     1200
aatgaatgaa gcgaacagat tttcgttcat tctggttctc agggtttgtt ataattttt
                                                                     1260
tatttttatg ggctttggtg agggaggtag gtggtagttt gtgtttaata tttttagttg
                                                                    1320
ggtggatgag gaatagtgta aggagtatgg gggtaattat ggtgggccat acggtagtat
                                                                     1380
ttagttgggg cattcccttc tgtcgtcttc tcgcagccgt accc
                                                                    1424
```

```
<212> DNA
      <213> Homo sapiens
     <220>
      <221> misc feature
     <222> (227)...(174)
     <223> similar to gi2065165 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7012
ggggctggaa gtggaagcgc agcggcagaa ggagagggag agagaaagag agagaggcta
                                                                       60
attaaaaaag gatactccga gggaagagag caagggcggt gcgccgccaa ggaccaacta
                                                                      120
gcggcggagc ttcgatcttg cctaggcgcg gagagctccc aacctgggct ggaaccttgc
                                                                      180
ccagcacagg tggctgctac accccatgta aaaagcggaa aataaaatga agattttcca
                                                                      240
gcgcaagatg cggtactggt tgcttccacc ttttttggca attgtttatt tctgcaccat
                                                                      300
tgtccaaggt caagtggctc cacccacaag gttaagatat aatgtaatat ctcatgacag
                                                                      360
tatacagatt tcatggaagg ctccaagagg gaaatttggt ggttacaaac ttcttgtgac
                                                                      420
tccaacttca ggtggaaaaa ctaaccagct gaatctgcag aacactgcaa ctaaagcaat
                                                                      480
tattcaaggc cttatgccag accaaaaatt cccaggttca attattggct tccattaaga
                                                                      540
taaagaaagc cagccagctc aagggccatt cagaatttaa ggtttag
                                                                      587
     <210> 7013
     <211> 1838
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (1174)...(833)
     <223> similar to gi2465332 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7013
tggggggtgg tatggagaga gaatgggcga tgtttctcag ggctgcttca agcgggatta
                                                                       60
ggggcggcgt gggaacctga agctcggcgt ccgtgatggt ctagggggct ttcgaggcga
                                                                      120
tcgggcggtg tcagtcttca gccgctaagc cgagaggatc tgatttaaaa ttggtgagat
                                                                      180
gttccttggg ctggtcagtc tgaggacctg aggtcgtagg tggatctttc tcacggagca
                                                                      240
aagagcagga ggacagggga ttgagctccc aagggaggtc ccccgatcca agtcacggca
                                                                      300
ccaaatttca tgcgcggcac caaatttcat gcgcgtccgt gtgaagagac caccaaacag
                                                                      360
gctttgtgtg agcaataaag ctgtttattt cacctgggtg caggcgggct gagtccgaaa
                                                                      420
agagtcagcg aagggagata gggatggagc cgttttatag gatttgggta ggtaaaggaa
                                                                      480
aattacagtc aaagggggtt tgttctctgg caggcagagg agtgggggtc acaaggtgct
                                                                      540
cagtgggcag gagtgggagt cgcaagatgc tcagtggggg agctttttga gccaggatga
                                                                      600
gccaggaaaa ggaatttcac aaggtaatgt catcagttaa ggcagggacc agccattttc
                                                                      660
acttettttg tggtggaata teateagtta aggtggggea aggeatatte acttettttg
                                                                      720
tggatettta gttgetteag gecatetgga tgtataette caetgtgaga gttaceegaa
                                                                      780
```

<211> 587

```
getcageate egtgatggte tagggggett cegaggegat tgggcagtgt cagtetteaq
                                                                     840
ccgctaagcc gagaagatct gggaaggagt cagtcagaga gccttgggcc ggagttccag
                                                                     900
gggctctggg agtggcttgc ccaaggtgag ttgaacagtc cgattttcag tggggtccca
                                                                     960
cacagatggg acgcggctta ggaggaatcc caggctgcgg gcattccttt gcccagtggc
                                                                    1020
cagatttccg tcacatgtag caagctccgg atttgaaatt ggtgagatgt ttcttggqct
                                                                    1080
ggtcggtctg aggacctgag gtcgtaggcg gatgtttctc acagagcaaa gagcaqqaqq
                                                                    1140
acaggggatt gateteccaa gggaggtece cegatecgag teatggeace aaattteatq
                                                                    1200
cgcgtccgtg tgaagagacc accaaacagg ctttqtqtqa qcaataaaqc tqtttatttc
                                                                    1260
acctgggtgc aggtgggctg agtctgaaaa gagtgagcga agggagatgg ggtggggcca
                                                                    1320
ttttatagga tttgggtagg taaaggaaaa aggggggttc tctggcaggc aggagtgggg
                                                                    1380
gtcacaaggt gctcagtagg ggagettctg agccaggatg agccaggaga aggcatttca
                                                                    1440
caagataatg tcatcagtta aggcaggaat cagccatttt cacttctttt gtgatttttc
                                                                    1500
agttacttca ggccatctgg atgtatacgt gcaggtcaca ggggatatga tggcttagct
                                                                    1560
tgggctcaga ggcctgacat cttctttctt aatttctttc acacataccc cttcctttct
                                                                    1620
gettetatgg cegatatect ggtteagece etgactetat caettttaac etgaaataac
                                                                    1680
tgcaatatcg ctaaaacgta ttcctcttct tgttctcctc ccaccccaat ccttcctqca
                                                                    1740
tactccagaa cagctcccca ttcagaaact ttttttctt cgagatggag ttttgctctt
                                                                    1800
gttacccaga ctggaatgca atggcataat ctcggctc
                                                                    1838
```

```
<210> 7014
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (85)...(353)
<223> similar to gi2316080 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7014
tttcgtgtct gaggcggctg tggccacgtc tgaggcggct gtggccgcgt cggtgtccgc
                                                                  60
gtcgaggagc cggggcaggg cacgatggcg gactgggctc gggctcagag cccgggcgct
                                                                 120
gtggaagaga ttctagaccg ggagaacaag cgaatggctg acagcctggc ctccaaaqtc
                                                                 180
accaggetea aategetege eetggacate gatagggatg cagaggatea gaaccggtac
                                                                 240
ctggatggca tggactcgga tttcacaagc atgaccagcc tgcttacagg gagcgtgaag
                                                                 300
cgcttttcca caatggcaag gtgcaggtga tggtcctacc agtgtgtctg ttgaggtcac
                                                                 360
ccgtcctaaa gtgacctccc tgaaagcctg agttgaaatc cagactccac ttcttgaggc
                                                                 420
ctggccttgg actcttgggc agcctctgga aatcctcctc ttcaqqccca qcqqataccc
                                                                 480
caccttecet gtecatgtet teettgtact ceetgtatta eccattgatg tgtaacaggt
                                                                 540
580
```

```
<210> 7015
<211> 1669
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (230)...(91)
<223> similar to gi170454 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 7015 ggataaataa tatcctatat atttatacat ttctatgttt taaatagata taaaaataga 60 gtctatagag ctgggagagc agtgggaagc ctggcgctgt gctgtgcaaa ggggaaggga 120 gcacggcctt cggagaggga gccggggaag gccagcaggc agggttggct ggcaaggggg 180 cctcctaccc ggagtgttgg agaggagagt ggctgggtcc cggctcgctc catgcacttt 240 ctctcctttt ccacaggett ggtctgaggt tggaaggaga taccccctqa gctccaqctq 300 aggtgcccc tacctctcc caccccaca gcccacgctt aggcggtcac tgctgcttgg 360 cagtaggacg tggtctctga ctcctgggtg gagggaccac tgcacaaact ccttcaaaac 420 cctccccac caggactgag cagcgtcagt ggcaatagga aaggtccaaa ctggatcaag 480 agetggteca ggaaagatae egeceetgee etgttagatg ettetgetge eeetagagge 540 caageceetg aagtgeagee gteetggeet ceeteacttg eteaaceact gteaggagga 600 gaggatgtgg gcagcatgag catcgccagg cagcgctgcc caccatccac aggctttctg 660 gccagggcag ggggcatcag ctagcaggaa acggtgggag agacatatct gcacactcat 720 aaattcaatg gctactccag tccagaagca gggctttggc ccagcccgct ccgcgcagca 780 getgetgetg getgtaetea ggacaacget gtteeceete ceteacagag geecegtgge 840 ccctacccca ctcccgccgt aacaggcagg tttagttcac atacactgtt cgcattctgt 900 gacttgaggc agaggctgag ctgggatacc ccaagctcat ccactttcgt tggggagggc 960 ccctccctgg gtttatcacc agetcctage ccgggccggg cggggatgtc tgggggccac 1020 gcgggggcac tggtgcaagc tggcagcatg acagagggct tgtgcagccc tgacgggacc 1080 cagaageeca tttgetegea gttteetete tetgtttttt teeteetqqa qqtaqqaqaq 1140 agggcctgac caggcaccag atgatggagc aagggcagct gcatgctccc tctctccaga 1200 ccagcettet gettttgggg teegaagggg catttgetee cateetgage eteetetgee 1260 cctgtcttgc tcttccctac catcctacaa gtacctcagt ctccagcagg cccacccctc 1320 cacctgcage ccagggcggg tetgttetge caatgcccae etecttgage cacagttage 1380 tgccaactgg gtcttgggac accetecagt acetggetea agagagacea ggeegggeeg 1440 agcettette ceaetgeagt ggactagace caeggecagg ggatgggeat ceceaggtag 1500 caatcccaca atgcactgta cctcaaagag agagcacgcc aggggcacca agggaccgag 1560 ccctctgtcc agagggggac agcggtcaca atactgctca ccaaaagaca aaggccaggc 1620 tgccctcggg cacctctcag tcttcacttt tgtctctccg gaagaacca 1669

```
<210> 7016,
<211> 5600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (186)...(1310)
<223> similar to gi3449310 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

caaagttgtc atgaaaattt attaagaaaa ataaaataga gttcatttta ttaagagggc 60 attaaatett agttggtaat gtetetttee ttettteett tgeagagtat gtatgtaaet 120 getetgtggt tggaageetg aatgtgaate getgeaacea gaceacaggg cagtgtgagt 180 240 gteggceagg ttatcagggg cttcactgtg aaacctgcaa agagggcttt tacctaaatt 300 acacttctgg gctctgtcag ccatgtgact gtagtccaca tggagctctc agcataccgt gcaacagttc tgggaaatgc cagtgcaaag tgggtgtcat tggctctata tgtgaccgat 360 gccaagatgg atattatggc tttagtaaga atggctgctt gccctgccaa tgcaataatc 420 480 ggtctgccag ttgcgatgcc ctcacaggtg cttgtttaaa ctgccaggaa aatagcaaag gaaatcactg tgaagaatgt aaagaaggat tttatcagag tcctgatgcc actaaagaat 540 gtcttcgctg cccttgttca gcagtgacat ctacaggcag ctgctctata aaatcgagtg 600 aattggaacc tgaatgtgac cagtgtaaag atggttacat aggcccgaac tgcaataaat 660 gtgaaaatgg ctattacaat tttgacagca tctgtagaaa gtgccaatgt cacggccatg 720 tgtacccagt taaaactcca aagatttgta agcccgagag tggtgagtgc atcaactgcc 780 tccataacac cactgggttt tggtgtgaga actgcctata aggttatgtt cacgacctcg 840 agggaaattg catcaagaaa gttattette caacacetga aggttetaee attttggttt 900 ccaatgcctc tttgaccaca tcagtgccca cccctgttat aaatagtact tttaccccta 960 caaccetgea gactatettt teagtaagea ettetgaaaa eageaettea getttagetg 1020 atgtatcatg gacccaattt aacatcatca ttttgacagt catcatcatt gttgtggtgc 1080 tgctaatggg atttgtgggg gctgtatata tgtaccgcga gtaccaaaac cggaaactca 1140 atgccccctt ttggaccatc gagctgaaag aagacaatat cagtttcagc agctaccatg 1200 acagcattcc caatgcagat gtttcgggat tgttggaaga tgatggcaat gaagtggctc 1260 ccaatgggca gctgaccctg acgacgccca tacataacta caaagcctaa ggagctagaa 1320 ctgttctgaa ttgttaaacc acagtgcttg ctaagacaga gtcagcccct gggccagaca 1380 aagcctggct agagtttgct gagaaagcaa aggcaaatag tgcatctgaa attttcaggt 1440 acaaatttgt aatgegetta geetatetat tgetettagt ttteeeatga agatetgaag 1500 cgttcactgt cattaggact tgaagtaaag tatatttttg taccaaacca catgggagta 1560 tggaaagget gaaccecata gtgcageeca aaaccaettt gacetecaga tagaeteetg 1620 gggaagcatt caccaagcca gtggtaacaa gatgatgaat gtggaggggg aaaagactgc 1680 tggaagactt catctccatt cctgaaacat tttttttaaa acagtgtcag ggattatatt 1740 cgttttacta tacaaaagga catcattgag gaaaagcttg tttctaggct gtatcacagt 1800 aaataatctt gattgtttct agaacagggg tagaaaagtc ccaagatctt cagaagggct 1860 tggttttttc ctcccaggat tcttgctcag tgatgagttg aaagcacagg ataagcttct 1920 aagggaggaa ggcagcattg gggagcagga ggctgatggt cctcctcagg gtctcagtgt 1980 aaatgataaa ttgtctaaaa ataaggaata ttcctgcctc tagagaaata aggtgtacat 2040 agttaatgta gcatatctgg tcgacgttgt atttgtatct atttgtaaaa aaaaaatcat 2100 gtcatatttt atcatctgga atttatttgt acagcagtta atggtgttgt aaaaagaaaa 2160 atatggggat tgcttaaaat actgtaaaat agatggcaat attgctagag ctgggactct 2220 ggtgagcatc cgtcattttt agtccttctt gaggacattg ctgaaattta taagaggtcg 2280 aatgtttett tettteettt eteagtetaa aagtaaagtt atatgetett tgaettaeta 2340 tgattcaagc aatagatttt gaagtcagta atcgttaagc tgggacatag gatgcattct 2400 ccaaaaacat taatctaatt agacattagc caccctatat attttacata gattaatata 2460 aaacatatcc tcattaaaaa atgtttttct tgaatgtaaa agatagtctt ccaaaggata 2520 gaaatatttt agttccaaga gaaaagccat catattactt gggatctgta gttttcatgc 2580 ctatgaaata tttataatcc tccctcaccc caaataaaaa atctcctaca tgtgaacata 2640 gcctgtcact catttgccat gaggtatgtg ccatctccct gcagtgctat agttctccca 2700 ttgtcttcct gtctggttaa tgagcagctt tgtagatggg tgtgtctagt tagttcttgc 2760 tttttgatgg agtttttcc tagaggccaa ctactgttgc tctcgtttat tatgatattg 2820 acattttggg ttaagcaagg tgggtgggaa aggtggtcag atgttaaata taacttatta 2880 2940 cctaggaaat tcaagctgac ccctttgcct aacttcccta gagaaaaacc tagaacttgg 3000 tcatcccttt ataggagacc cctaagttgt tctcagggtt tggagatgat gttctggagg 3060 gagtacaagc aaataatcta cttctggtaa tctgagggtg ctttgcgtat ttggccattg 3120 ctcagaagaa tagaggttac attatattac attatatgaa aattatttag tttttctata 3180 gccctttgta gtttgcaaag cacttttcca tatgtgtgtc ctctcttcca caccatagcc 3240 ccctgaggaa gtaattgttg tccccatttt atagatgaaa aggctgaggc acagaggagc 3300

<400> 7016

```
taaatatett gtteaagget ataeaatgtg tgtgattatt aggettggaa teagggeete
                                                                   3360
taactctaaa gcacatqttt tttcaactat atgcagaaat tgcctagcca tggacacaag
                                                                   3420
aaagetggga ggaagagtte taettgtgga tgtttttaat tttttttaaa tateaggage
                                                                   3480
aatccagggc catacagcta tgaagcactt agtgaaaaga acacaagaag atttactaac
                                                                   3540
                                                                   3600
tgaagttagt attagtgatt agaaaacaaa actgccagtt tgtgcttcat taaggtgaac
                                                                   3660
tcatctctcc aagcaggaag ggaaaatttg ctttccctag cagttgctgc atatgtgtgt
                                                                   3720
acagactgca caattctaag aaattgtgca aaatggcata cctgtctttc tcccagatac
accgccccct gccccccca aaaaaggtca ggattaaagg tggtgagaag tgaacattta
                                                                   3780
ttaaacagaa gttaaaccaa tagagagaaa ggaggtttgt tggagtctaa gaggattttg
                                                                   3840
accatgtaga aatteettga aacagacett aaaaggtatt gaaaaattga atcacaaaga
                                                                   3900
aagtttacct ttaaatactt gttaatggct cctagatcat ggttataatt tttctcaatg
                                                                   3960
ggaaaaaaag tottaaaatt tgttttaaat aagatootot aatgtotoga gotttttgat
                                                                   4020
tctggaaata atttgcttta aaatataaat caatcagaaa gtgatctacc actgaaatca
                                                                   4080
ttctaggaaa ctagcatggg atgcactgca caatgttctt tcctctaaag gcatgggccc
                                                                   4140
cataaactgt ggcatctggc agcaggatgc catcagtcct ttagaaagcc taattttggg
                                                                   4200
cegggtgegg tggctcacgc ctgtaatccc agcactttgg gaggccgagg cgggtggatc
                                                                   4260
acaaggtcag gagttcgaga ccagcctggt caacatggcg aaatcccgtc tctactaaaa
                                                                   4320
acacaaaaat tagccaggcg cagtggtgcg cacctgcaat cccagctact caggaggctg
                                                                   4380
aggcaggaga atcacttgaa cctgggaggc agaggttaca gtgagccgag atggcgccat
                                                                   4440
ttcactccag cctgggcgac agagcaagac tctgtctcaa aaaaaaggaa gaaaaagaaa
                                                                   4500
gcctaatatt gggagaatgt ttgtgtaagg attggaaatc tgtttatttt taaataagat
                                                                   4560
agcactgatg tgaatcttat ttggaaatta cagatactgc cattaagcga tgcttttatc
                                                                   4620
ttcattaatt cattttggta agcgcctatg catttctgat ggttaggtgc cctaggtagt
                                                                   4680
gttaagtatg teegtgteet eeettactee eetetegete eetetaceet etateeeeta
                                                                   4740
gggttctttt attaatggaa tttctccagt tatagagaaa aaaatgacat ttgaaaacta
                                                                   4800
aagctcattt atattaatac taaggtcctg tgggcctagt gcgttactct tcccagtgat
                                                                   4860
4920
gacaacattt gtagacacct caaattatat cactgttctc tagcgccaat attcccaggt
                                                                   4980
aaattgacca ttaaagcaat actcactgac ctactagttt attttggtca gctgagtacc
                                                                   5040
atcaggatat ttaacccttt aagtgctgtt ttgggagtag aaaactaaag caacaatact
                                                                   5100
tectettgac agetttgatt ggaatggggt tattagatea tteacettgg tectacaett
                                                                   5160
tttaggatgc ttggtgaaca taacaccact tataatgaac atccctggtt cctatatttt
                                                                   5220
gggctatgtg ggtaggaatt gttacttgtt gctgcagcag cagccctaga aagtaagccc
                                                                   5280
agggetteag atetaagtta gteeaaaage taaatgattt aaagteaagt tgtaatgeta
                                                                   5340
ggcataagca ctctataata cattaaatta taggccgagc aattagggaa tgtttctgaa
                                                                   5400
acattaaact tgtatttatg tcactaaaat tctaacacaa acttaaaaaa tgtgtctcat
                                                                   5460
acatatgctg tactaggctt catcatgcat ttctaaattt gtgtatgatt tgaatatatg
                                                                   5520
aaagaattta tacaagagtg ttatttaaaa ttattaaaaa taaatgtata taatttgtac
                                                                   5580
ctattqtaaa aaaaaaaaa
                                                                   5600
```

```
<210> 7017

<211> 1569

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1570)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1)...(1570)
```

<223> similar to gill96431 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 7017
ttctaattca gcatatatca tctcagaatg gatccccagc aqqaaaaaaa aaaaaaaqtt
                                                                      60
actaaaaagg aaagtatcca tacactgaaa acttaaagca tattcctttt tggttgcctt
                                                                      120
gtatgtagaa atcagttctc caagtgctgt gaatggtgcc acttaggagt agaaactgat
                                                                      180
gattgttgaa atggcctttg ggtggtctga aatagaccag tggaaacagt aqctttqtag
                                                                      240
gcaagaaggc aatagtaaga aaatgaaaaa ttgactcccc aaactgccat cactcctttt
                                                                      300
accatctttt ttgtgttttt agtagtttgg tttctgacgg agacaataga aacttactta
                                                                      360
aaagtaaaat ttaattotag otgttgcaaa caggocaata ttgggtooto agttggggoo
                                                                      420
aacttgggta gacgagacag tagaaacttc tgttttctgg gagctgcatg tgtcggattc
                                                                      480
atctgtcatg gccttcccac acaccatctt catgatgcaa gcttggaact ggagagaaag
                                                                      540
gtacaattgg agataacctt ggcagatgag gaagtatggg aaaaaagacc ttattctctq
                                                                      600
tatcaccaaa gccttgcaca atgctttgta cccagaatgc ccttaggtgg ttttgaatct
                                                                      660
atottcccca tootgaaaac tatotagatt coagtotaga actactcctq qqtctacqqt
                                                                      720
aatcctaaac tggtcaagtc tgagacctca ctgttggtaa attcacaaac catcctgctt
                                                                      780
cataaaagca ctgtcagcag aggcccctcc attactagca ggtgctccca gctggaaagg
                                                                      840
actgccaatt ctcttctatc cagggaggtt tcaaattagt tttgagtcta cctctgggat
                                                                      900
tgaggaaaca ataccatctg aaagtagggt ttttgccact tagggtttgg tgtttattag
                                                                      960
ctcggatttc agatgggata ggaaatcccc cagtaccttc agatgataag atattttaga
                                                                     1020
gatttttgca tgtggtatga tttctgtgct tcacacatgc tcgtgcaggc taaaagttgq
                                                                    1080
aagggaaatg attaagaaat tattaaatgc aaggactgaa aattgagagg aatctgagtt
                                                                    1140
tttatttta ttttttaat tttatttaag ttccaggata catgtgcagg atgtgcaggt
                                                                    1200
ttgttacata ggtaaacttg tgccatggtg gtttgctgca cctatcaacc catcacctag
                                                                    1260
gtattaagcc cagcatgcat tagctatttt tcctaatgct ctccttcccc cacctaaccc
                                                                    1320
cccaacaacc caaatgccca tcaatgatag actggataaa gaaaatatgg tacatataca
                                                                    1380
ccatggaata ctatgcaacc ataaaaagga atgagatcat gttctttgca gggacatgga
                                                                    1440
tggagatgga agccattatc ctcagcaaac taatgcagga ctatatqttc tcacttataa
                                                                    1500
gtgggagctg aacaatgaga acatatggaa acagggagga gaacaatata gaccggngtc
                                                                    1560
ctcttgcat
                                                                    1569
```

```
<210> 7018
<211> 2349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (226)...(2275)
<223> similar to gi3721653 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7018

cgggacagct cagagcaggg cagaactggg gacactctgg gccggccttc tgcctgcatg gacgctctga agccaccctg tctctggagg aaccacgagc gagggaagaa ggacagggac tcgtgtggca ggaagaactc agagccggga agccccatt cactagaagc actgagagat 180
```

```
geggeeect egeagggtet gaattteetg etgetgttea caaagatget ttttatettt
                                                                      240
aactttttgt tttccccact tccgaccccg gcgttgatct gcatcctgac atttggagct
                                                                      300
gecatettet tgtggetgat caccagacet caaccegtet tacetettet tgacetgaac
                                                                      360
aatcagtctg tgggaattga gggaggagca cggaaggggg tttcccagaa gaacaatgac
                                                                      420
ctaacaagtt gctgcttctc agatgccaag actatgtatg aggttttcca aagaggactc
                                                                      480
gctqtqtctq acaatqqqcc ctqcttqqqa tataqaaaac caaaccaqcc ctacaqatqq
                                                                      540
ctatcttaca aacaggtgtc tgatagagca gagtacctgg gttcctgtct cttgcataaa
                                                                      600
gggtataaat catcaccaga ccagtttgtc ggcatctttg ctcagaatag gccagagtgg
                                                                      660
atcatetecg aattggettg ttacacgtac tetatggtag etgtacetet gtatgacace
                                                                      720
ttgggaccag aagccatcgt acatattgtc aacaaggctg atatcgccat ggtgatctgt
                                                                      780
gacacacccc aaaaggcatt ggtgctgata gggaatgtag agaaaggctt caccccgagc
                                                                      840
ctgaaggtga tcatccttat ggaccccttt gatgatgacc tgaagcaaag aggggagaag
                                                                      900
agtggaattg agatettate cetatatgat getgagaace taggcaaaga geaetteaga
                                                                      960
aaacctgtgc ctcctagccc agaagacctg agcgtcatct gcttcaccag tgggaccaca
                                                                     1020
ggtgacccca aaggagccat gataacccat caaaatattg tttcaaatgc tgctgccttt
                                                                     1080
ctcaaatgtg tggagcatgc ttatgagccc actcctgatg atgtqqccat atcctacctc
                                                                     1140
cctctggctc atatgtttga gaggattgta caggctgttg tqtacaqctg tqqaqccaqa
                                                                     1200
gttggattct tccaagggga tattcggttq ctqqctqacq acatqaaqac tttqaaqcc
                                                                     1260
acattgtttc ccgcggtgcc tcgactcctt aacaggatct acgataaggt acaaaatgag
                                                                     1320
gccaagacac ccttgaagaa gttcttgttg aagctggctg tttccaqtaa attcaaaqaq
                                                                     1380
cttcaaaagg gtatcatcag gcatgatagt ttctgggaca agctcatctt tgcaaagatc
                                                                     1440
caggacagec tgggcggaag ggttcgtgta attgtcactg gagctgcccc catgtccact
                                                                     1500
tcagtcatga cattcttccg ggcagcaatg ggatgtcagg tgtatgaagc ttatggtcaa
                                                                     1560
acagaatgca caggtggctg tacatttaca ttacctgggg actggacatc aggtcacgtt
                                                                     1620
ggggtgcccc tggcttgcaa ttacgtgaag ctggaagatg tggctgacat gaactacttt
                                                                     1680
acagtgaata atgaaggaga ggtctgcatc aagggtacaa acgtgttcaa aggatacctg
                                                                     1740
aaggaccctg agaagacaca ggaagccctg gacagtgatg gctggcttca cacaggagac
                                                                     1800
attggtcgct ggctcccgaa tggaactctg aagatcatcg accgtaaaaa gaacattttc
                                                                     1860
aagctggccc aaggagaata cattgcacca gagaagatag aaaatatcta caacaggagt
                                                                     1920
caaccagtgt tacaaatttt tgtacacggg gagagcttac ggtcatcctt agtaggagtg
                                                                    1980
gtggttcctg acacagatgt acttccctca tttgcagcca agcttqqqqt qaaqqqctcc
                                                                    2040
tttgaggaac tgtgccaaaa ccaagttgta agggaagcca ttttagaaga cttgcagaaa
                                                                    2100
attgggaaag aaagtggcct taaaactttt gaacaggtca aagccatttt tcttcatcca
                                                                    2160
gagccatttt ccattgaaaa tgggctcttg acaccaacat tgaaagcaaa gcgaggagag
                                                                    2220
ctttccaaat actttcggac ccaaattgac agcctgtatg agcacatcca ggattaggat
                                                                    2280
acagtactta agtacctgcc ggccccctgt gcactgcttg tgagaaaatg gattaaaaac
                                                                    2340
tattcttac
                                                                    2349
```

```
<210> 7019
<211> 1833
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1633)...(1141)
<223> similar to gi3098268 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7019

```
ttttttttt tcagggtaca aaatgtcttt atatcttcaa tctcattata cagcaaaaga
                                                                      60
gggaggagga aaaaactagg agacatagat agatacactg atggatgttt caaaaattat
                                                                      120
                                                                      180
tttttattgt tacattccaa agaggacata ggaagaaaaa aagccagtta acccaataaa
                                                                      240
tggttaagac ctttcagaag aggcacccac aaccccagcc ctagttcaaa gctgcacaca
ttggagctca aacagctgcc tctcaccacg accggaaatg ctgacaaatg tgtatatatt
                                                                      300
                                                                      360
atcaatccag ggaggcttgg gtttaaaata aaatttcttt attgcaagtg tccaagtcct
                                                                      420
taggatttgt ccttaaaggt actagaagat gagtaagacc acacacacca agactatgtt
                                                                      480
tagtetttag agtaaactag caaatggeca gtttgtteta ggatgeattg cateagacat
                                                                      540
cacagtacat gaagaaaatc tgctttttgt gaaaagccac caggcatttt agatcccgtt
taccatgaag tgcagacaca gcagataccc agataataca gtcagtgcaa aagtcaaatg
                                                                      600
agtaagtcag ctctttgatg aggctggcta cactgcaaaa tataaatgaa actcgaaaat
                                                                      660
agaaggtaag gtctatttac aaaagtttgt ttagtaaagt gacttgaaaa aagttgttaa
                                                                      720
ccacttccca ggcatccctc ccctctccca ccaaaacaaa caaacaaaaa acaacaacaa
                                                                      780
caaaaaccct gaaaattatc ttgaaagtca agttaaaact atgtggtgaa aaagagagtg
                                                                      840
cttgttccag gtaaaggact tcaagataat ttacaggcag atttatttt attagtaaaa
                                                                      900
gtcacaaata ggaaaagact tattggctga ctttgagctg tgtgctttta aaaatgtctc
                                                                      960
tattattacg ttaacaagaa aaaaaaatca agcaagtttt tgcttccagt tttgaatctt
                                                                     1020
                                                                     1080
ccagcaacag ttggtgaaat caacaaggta ttaaaatgaa acccagcaaa acccagtcag
ttetttecag ttgtetgeet gtttetttet agteacettg aatteaatte ceaattaget
                                                                     1140
gaggacaaca tgccggtcaa agacagactt tcgctgctct tggacttgaa gcttccagcg
                                                                     1200
                                                                     1260
etgetgtgca tattetacet tgttcagcae gttggctcga ctgcgggage gggctagcae
atogtgtgca tttgcaaaag gctggtgatc cccaatatca tcatcactct gtatcaactg
                                                                     1320
tgcatgtcca aagaggcgcc tcttcagtat gggctcaacc agagtaagat ataccatgta
                                                                     1380
cagaagtaga aggcccaaaa tggagagata aattataatg gtaaccttga ttgtgacaga
                                                                     1440
gettetttet teatatttge atteacageg tagacagtat gettetacat caggeceeeg
                                                                     1500
cacaggcatg ggctccacaa catgaaggca atcacaatct ttctgagata tgttcttatt
                                                                     1560
ataaatatgc ccagaatttt ctttataggg agggcagata catttacatc tgacatcctc
                                                                     1620
                                                                     1680
gaaattettg geggegtetg acagetgege cageageage acggaaageg ceaggeacga
                                                                     1740
caggetgage aaggagecaa geegaagaag geeteeceac agggtegeea tegetggggg
                                                                     1800
cccagcggtc ccacagcccg gagcccccgc gaccggctcc cggctcgggc tcaggctcag
gctcaggctc aggcacaggc ttgggacccg gct
                                                                     1833
```

```
<210> 7020
<211> 1536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (558)...(1488)

<223> similar to gi4995303 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7020

cggccgcgac cactaccacc actgagcacc gcttcttccg ccggagcgtc atctgcgact 60
ccaatgccac tgcactggag cttcccggcc ttcctttc cctgccccag cccagcatcc 120
ccgcggctgt cccgcagagt gctccaccgg agccccaccg ggaagagacc gtgaccgcca 180
ccgccacttc ccaggtagcc cagcagcctc cagccgctgc cgccctggg gaacaggccg 240
tcgcgggccc tgcccctcg actgtcccca gcagtaccag caaagaccgc ccagtgtccc 300
agcctagcct tgtggggagc aaagaggagc cgccgcggc gagaagtggc agcggcggcg 360
```

```
gcagcgccaa ggagccacag gaggaacgga gccagcagca ggatgatatc gaagagctgg
                                                                  420
agaccaaggc cgtgggaatg tctaacgatg gccgctttct caagtttgac atcgaaatcg
                                                                  480
gcagaggete etttaagaeg gtetacaaag gtetggaeae tgaaaceaee gtggaagteg
                                                                  540
cctggtgtga actgcaggat cgaaaattaa caaagtctga gaggcagaga tttaaagaag
                                                                  600
aagctgaaat gttaaaaggt cttcagcatc ccaatattgt tagattttat gattcctggg
                                                                  660
aatccacagt aaaaggaaag aagtgcattg ttttggtgac tgaacttatg acgtctggaa
                                                                  720
cacttaaaac gtatctgaaa aggtttaaag tgatgaagat caaagttcta agaagctggt
                                                                  780
gccgtcagat ccttaaaggt cttcagtttc ttcatactcg aactccacct atcattcacc
                                                                  840
gcgatcttaa atgtgacaac atctttatca ccggccctac tggctcagtc aagattggag
                                                                  900
acctcggtct ggcaaccctg aagcgggctt cttttgccaa gagtgtgata ggtaccccag
                                                                  960
agttcatggc ccctgagatg tatgaggaga aatatgatga atccgttgac gtttatgctt
                                                                 1020
ttgggatgtg catgcttgag atggctacat ctgaatatcc ttactcggag tgccaaaatg
                                                                 1080
ctgcacagat ctaccgtcgc gtgaccagtg gggtgaagcc agccagtttt gacaaagtag
                                                                 1140
1200
attccatcaa agaccttttg aaccatgcct tcttccaaga ggaaacagga gtacgggtag
                                                                 1260
aattagcaga agaagatgat ggagaaaaaa tagccataaa attatggcta cgtattgaag
                                                                 1320
atattaagaa attaaaggga aaatacaaag ataatgaagc tattgagttt tcttttgatt
                                                                 1380
tagagagaaa tgtcccagaa gatgttgcac aagaaatggt agagtctggg tatgtctgtg
                                                                 1440
aaggtgatca caagaccatg gctaaagcta tcaaagacag agtatcatta attaagagga
                                                                 1500
aacgagagca gcggcagttg gtacgggagg agcaag
                                                                 1536
```

```
<210> 7021
<211> 1406
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1354)...(377)
<223> similar to gi5912119 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7021
tttcaggtga cataacatct gattccaaga ttgaaactat ttctaggagc tggcagggcg
                                                                       60
agaattcaaa ggacacaagg ttctagtcct ggaagactac aactcttact gtttgagatg
                                                                      120
tttatttcta gtttttagtg ttaaacccca gctccatatt tattccttaa gtgtttcccc
                                                                      180
tcaccctggg aagaagcttg ttgctcgttt ttgattgtcc tctgccagca gatctgcacg
                                                                      240
agatgtgttt cttcagtctt tcccacttgt gagacaaatc tccattaaag tctcaacaaa
                                                                      300
tgcaactgtc ccttgtagag taagcaagcc taagagtgct gcttctctgc cctggccctg
                                                                      360
gctggtcaga gtactaggag ttcttggatt tccgctcttt tctggccctg gaggccatga
                                                                      420
ggctgaagaa gagcccagga gccagagttc gaagataaac agccaaggaa ggcagtaagt
                                                                      480
cagccaggat cacatettte ttettettee ceacageage aagaacatee tgggecacet
                                                                      540
ccacaggget teggecetgg getgtggtgg tgtccataac tecataceta gatecateeg
                                                                      600
cggtgatggc atttacagag aggttggtgt ggatgtagcc ggggctgatg acggtcacct
                                                                      660
caatttcata ctgttccatc tcggcacgca gacagtcaaa gaaagcctgg gttgcgtgct
                                                                      720
tggaggctgc atatgctgat cgaaaaggaa tgctcatctt gccctggatg ctgctgatgg
                                                                      780
cgacaatgtg gccttgcctc ctcttgatca tggagggcag gagtgctttc gttagagcaa
                                                                      840
ctgggccaaa gtagtttgtc tccatgaccc tcttgtccac atccactgtg gtgtccatga
                                                                      900
tggtaccacg gtagctgatc ccagcattgt tgacaagtat gtcgacatag ccaaagcact
                                                                      960
gcaggatete agetgetget gcaactatgg ccccagagte tgtgaggteg aaggtcacca
                                                                     1020
```

```
agtaaggett gtgtgtetge accttggtgg catgagaage ggtgagttet etgatgaget 1080 cttetaggge eccaccatte eggecacaga gcaccagttt agcaccegea gcatagaaga 1140 cttttgcaca ttetttgeec agcectgagg tggegeetgt gatcaccace acagcattee 1200 gcaggtagge ettecegege acceactgea gcagceggaa gaggeegaag acgeccagge 1260 agcegaacag caggggeagg atggetgtgg aggtgatgaa gtecatggee tteacetteg 1320 gcagactett eetggtagee ggagagacca tagtcaatea actteateet eeegeetege 1380 ggacgegtgg gegacccacg egteeg 1406
```

```
<210> 7022
<211> 2575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (649)...(881)
<223> similar to gi609360 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7022 acatttcata taagtgaact catacagtat gtgattcttt gtgtctggct tetttcactt 60 agcataagtt tccaaggctc atccacattg tagcatgtgt cagaatttta ttccttttt 120 attgctgaga gtttgtattt ttccaataaa attattttat cttttccttt tttttccttc 180 ttcagaatcc caaaattctt ctcctagatg aagcaaccag gtgaggatat cttaataata 240 tatgccattg tgtgtattaa accaaattct tccttcacca aaacactttt aattctgtac 300 ctcaaagtga tacaactgaa aatccttttt ccccccttta ctctaaagtg aaggaagctg 360 aattaataat gacagttgaa aaccagtggg cagactgagt cctagttgag agttctaggt 420 ccacttcaga catggttgcc atcaatccta atcactctgt aagctgtaac tgtgcagaat 480 gcttttctcc ttacatcaca gtatagtttt atggagatca gaaagtccta aacagttgaa 540 attttgatca tggtaaaaat tcattgctca ggaagggctg ctgtgtgtat caggaagcac 600 atgggtgtea etgaegtett tgetttettg tgtgtgtget eetgtgteag tgegetggat 660 gccgaaaatg agtaccttgt tcaagaagct ctagatcgac tgatggatgg aagaacggtg 720 ttagttattg cccatcgtct gtccaccatt aagaatgcta atatggttgc tgttcttgac 780 caaggaaaaa ttactgaata tggaaaacat gaagagctgc tttcaaaacc aaatgggata 840 tacagaaaac taatgaacaa acaaagtttt atttcagcat aaggaagcaa ttactggtaa 900 acaatatgag actttaatgc aaaacagtgt tgcagaaaaa aaactcagag actatgaaat 960 acataaacca tatatcaagt tatttgaaaa atacctattt ttttccaaag tgtgtaaaag 1020 attgttttga aacgtacctg ttctcaagat ctttttattc agagttttaa taattgtaac 1080 tttttaaatg tctatagcac tgaagttatt ttcaggtttt gtattttctt ttcttgtgga 1140 atattttaat taatatagca tggcacctca ttttcttttg cctgctgtta aagattgaag 1200 ctattgtcaa atgacaactt taaaaaggca attataaata aaaagcctga ttattttagg 1260 ccagtttacc aatcactggg taattcttct ggtagtattc tacctacttt taagtctaat 1320 tttacagata gaataatgga aattgaaaat ttaacccttt attccgataa tctcatgaag 1380 caaacctaac tatttaacat cagctggaaa gaagggaaca tttatattgc ccatctcctg 1440 tgtcttcaaa ggtgtgagag ctgaggaata tgtgttccta tgggaactat gtttgaatat 1500 gtgcagtttt caacattttg gcacatgaaa gcctgacaag tttttaaaag ggcagaagct 1560 ttattttttg aacaggaaaa catgttttt aaattcacat gtttgtatga gtacttttgc 1620 gaagcaaggc atgaactgct aggtattatt aagaatgaat gatttttgca tttaagttgt 1680 ttgaaggcat gtattttgaa aaatatctgt tacaaattta taatttcaag acaaattgaa 1740 tcttatttta taatactttt ggaatttcat taataaggct aaaatttgag gaatataact 1800

```
aattttcagc cttaagacat ttaagtttgg aagtccttgc tattcaacag aataacaaga
                                                                     1860
aaacttcaga atgtatcact ctcctgaaaa gaagatatta ataagccctt ttatttatgg
                                                                     1920
ttatagtttt atttatagtc tcaaaattcc taaagcaatg ctacaaccat tgaatttgcc
                                                                     1980
atattttgta tcagtgctgt taatttgctg ttgcctcaag aaaaagtgct ttttctccat
                                                                     2040
ggatgaggcc tagaccctaa gaagtaatta agtcaatgta aatcaaatgg gaagttttcc
                                                                     2100
catgaactaa gcatttatta gttccctgat tagactggaa gaagaaacca ctatttcatg
                                                                     2160
aaaagcatgg aatattatat tttattgttc ataattaatg aataaaattg atatgaatga
                                                                     2220
atatagtgtt ctttgaatta gtaaacagta catctgtgac aatcattttt aacaagctct
                                                                     2280
acttgtgttc tttataaagt gtgattttca gaaagcaaac aacacaatta caaggttgaa
                                                                     2340
tetgaggaaa ataateettg tgecatagaa gtatttaega aattgeattt cattgttatg
                                                                     2400
ttttattttc tgatacatga tgttcaattt tatctttagg taatatttta tatcatagat
                                                                     2460
taaaatttat agtgaacttt caaaaaaaaa aaaaagagga cggggccgaa atttccaaat
                                                                     2520
ttttaaatgg aaaatccgga aaaccccgga aggtccattt aaattgggat tggcg
                                                                     2575
```

```
<210> 7023
<211> 2646
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (146)...(2171)
<223> similar to gi3702453 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7023 gtgtggcgcg gggctggtag cggccggagc cgtgctagtt ctctaccctg cttcgcgagc 60 gggcgagaga acgcgagtcc caggatcccc ggcacccagt tctcttccac tgcattcccc 120 cggcgcgtgt gggaccgagg tggacatgga tccgcagagg tcccccctat tggaagtaaa 180 ggggaacata gaactgaaga gacctctgat taaggcccct tcccagctgc ctctctcagg 240 aagcagactc aagaggaggc ctgaccagat ggaagatggc ctggagcctg agaagaaacg 300 gacaagaggc ctgggtgcaa cgaccaaaat taccacatcc cacccaagag ttccatccct 360 cactacagtg ccacagacac aaggccagac cacagctcaa aaagtttcca agaagacagg 420 accccggtgt tccacagcta ttgccacagg gttgaagaac cagaagccag ttcctgctgt 480 tectgtecag aagtetggea cateaggtgt teeteceatg geaggaggga agaaaceeag 540 caaacgtcca gcctgggact taaagggtca gttatgtgac ctaaatgcag aactaaaacg 600 gtgccgtgag aggactcaaa cgttggacca agagaaccag cagcttcagg accagctcag 660 agatgeecag cageaggtea aggeeetggg gacagagege acaacactgg aggggeattt 720 agccaaggta caggcccagg ctgagcaggg ccaacaggag ctgaagaact tgcgtgcttg 780 tgtcctggag ctggaagagc ggctgagcac gcaggagggc ttggtgcaag agcttcagaa 840 aaaacaggtg gaattgcagg aagaacggag gggactgatg tcccaactag aggagaagga 900 gaggaggetg cagacateag aagcageeet gteaagcage caageagagg tggcatetet 960 gcggcaggag actgtggccc aggcagcctt actgactgag cgggaagaac gtcttcatgg 1020 gctagaaatg gagcgccggc gactgcacaa ccagctgcag gaactcaagg gcaacatccg 1080 tgtattctgc cgggtccgcc ctgtcctgcc gggggagccc actccacccc ctggcctcct 1140 cetgttteec tetggeeetg gtgggeeete tgateeteea accegeetta geeteteeeg 1200 gtctgacgag cggcgtggga ccctgagtgg ggcaccagct cccccaactc gccatgattt 1260 ttcctttgac cgggtattcc caccaggaag tggacaggat gaagtgtttg aagagattgc 1320 catgettgte cagteageee tggatggeta tecagtatge atetttgeet atggecagae 1380 aggcagtggc aagaccttca caatggaggg tgggcctggg ggagaccccc agttggaggg 1440

```
gctgatecet egggeeetge ggeaeetett etetgtgget eaggagetga gtggteaggg
                                                                     1500
ctggacctac agctttgtag caagctacgt agagatctac aatgagactg tccgggacct
                                                                     1560
gctggccact ggaacccgga agggtcaagg gggcgagtgt gagattcgcc gtgcagggcc
                                                                     1620
agggagtgag gagctcactg tcaccaatgc tcgatatgtc cctgtctcct gtgagaaaga
                                                                     1680
agtggacgcc ctgcttcatc tggcccgcca gaatcgggct gtggcccgca cagcccagaa
                                                                     1740
tgaacggtca tcacgcagcc acagtgtatt ccagctacag atttctgggg agcactccag
                                                                     1800
ccgaggcctg cagtgtgggg cccccctcag tcttgtggac ctggccggga gtgagcgact
                                                                     1860
tgaccccggc ttagccctcg gccccgggga gcgggaacgc cttcgggaaa cacaggccat
                                                                     1920
taacagcagc ctgtccacgc tggggctggt tatcatggcc ctgagcaaca aggagtccca
                                                                     1980
cgtgccttac cggaacagca aactgaccta cctgctgcag aactctctgg gtggtagtgc
                                                                     2040
taagatgctc atgtttgtga acatttctcc actggaagag aacgtctccg agtccctcaa
                                                                     2100
ctctctacgc tttgcctcca aggttgaacc cagtgtgtta ttcggtactg ctcaqtccaa
                                                                     2160
caggaagtgg aagacggatc cagatctctg tgtgtgtgtg tgtgtgtgtq tqtqtqtqtq
                                                                     2220
tgtgtgtgt tgtgtgtgt tccctatgtc tatgtatcgg gtgagggttg ggagggttgc
                                                                     2280
tggagggtgc tttattgggt ggagggcacc atgtcccagg gctatcaaat aaagaatagt
                                                                     2340
ttggtttttt ttttaaataa aggttttatt agcatttgcc caagaaggca gatactttca
                                                                     2400
tatctgtaaa agtgggagct gtgatctgta ccctctgcca aacgtttacg tgggaggcgg
                                                                     2460
gagcgggggc tgagggcttc gtcttttctc ccctctgcta tcaccggttc tggaccttgg
                                                                     2520
cctggatcat cttcccctct gctaataccc cctaccccgt ccgtcacatc agggaggtgt
                                                                     2580
gccctctagc tatccacgcc ccctccttgg tcactagtta taggtaactt tcacccttcc
                                                                     2640
                                                                     2646
```

```
<400> 7024
gagaaggett caatggatte tettgtggte ettgtgetet gteteteatg tttgettete
                                                                       60
ctttcactct ggagacagag ctctgggaga ggaaaactcc ctcctggccc cactcctctc
                                                                      120
ccagtgattg gaaatatcct acagataggt attaaggaca tcagcaaatc cttaaccaat
                                                                      180
ctctcaaagg tctatggccc tgtgttcact ctgtattttg gcctgaaacc catagtggtg
                                                                      240
ctgcatggat atgaagcagt gaaggaagcc ctgattgatc ttggagagga gttttctgga
                                                                      300
agaggcattt tcccactggc tgaaagagct aacagaggat ttggaattgt tttcagcaat
                                                                      360
ggaaagaaat ggaaggagat ccggcgtttc tccctcatga cgctgcggaa ttttgggatg
                                                                      420
gggaagagga gcattgagga ccgtgttcaa gaggaagccc gctgccttgt ggaggagttg
                                                                      480
agaaaaacca aggcctcacc ctgtgatccc actttcatcc tgggctgtgc tccctgcaat
                                                                      540
gtgatctgct ccattatttt ccataaacgt tttgattata aagatcagca atttcttaac
                                                                      600
ttaatggaaa agttgaatga aaacatcaag attttgagca gcccctggat ccagatctgc
                                                                      660
aataattttt ctcctatcat tgattacttc ccgggaactc acaacaaatt acttaaaaac
                                                                      720
gttgctttta tgaaaagtta tattttggaa aaagtaaaag aacaccaaga atcaatggac
                                                                      780
atgaacaacc ctcaggactt tattgattgc ttcctgatga aaatggagaa ggaaaagcac
                                                                      840
aaccaaccat ctgaatttac tattgaaagc ttggaaaaca ctgcagttga cttgtttgga
                                                                      900
gctgggacag agacgacaag cacaaccctg agatatgctc tccttctcct gctgaagcac
                                                                      960
```

```
ccagaggtca cagctaaagt ccaggaagag attgaacgtg tgattggcag aaaccggagc
                                                                    1020
ccctgcatgc aagacaggag ccacatgccc tacacagatg ctgtggtgca cgaggtccag
                                                                    1080
agatacattg accttctccc caccagcctg ccccatgcag tgacctgtga cattaaattc
                                                                    1140
agaaactatc tcattcccaa gggcacaacc atattaattt ccctgacttc tgtgctacat
                                                                    1200
gacaacaaag aatttcccaa cccagagatg tttgaccctc atcactttct ggatgaaggt
                                                                    1260
ggcaatttta agaaaagtaa atacttcatg cctttctcag caggaaaacg gatttgtgtg
                                                                    1320
ggagaagccc tggccggcat ggagctgttt ttattcctga cctccatttt acaqaacttt
                                                                    1380
aacctgaaat ctctggttga cccaaagaac cttgacacca ctccagttgt caatggattt
                                                                    1440
gcctctgtgc cgcccttcta ccagctgtgc ttcattcctg tctgaagaaq aqcagatqqc
                                                                    1500
ctggctgctg ctgtgcagtc cctgcagctc tctttcctct ggggcattat ccatctttca
                                                                    1560
ctatctgtaa tgccttttct cacctgtcat ctcacatttt cccttccctg aagatctagt
                                                                    1620
gaacattcga cctccattac ggagagtttc ctatgtttca ctgtgcaaat atatctgcta
                                                                    1680
ttctccatac tctgtaacag ttgcattgac tgtcacataa tgctcatact tatctaatqt
                                                                    1740
tgagttatta atatgttatt attaaataga gaaatatgat ttgtgtatta taattcaaag
                                                                    1800
gcatttcttt tctgcatgtt ctaaataaaa agcattatta tttgctgaaa aaaaaaa
                                                                    1857
```

```
<210> 7025
<211> 1218
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (24)...(951)
<223> similar to gi57912 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7025 gcacgagggg ctgtggggaat aagatggcgg ggaagaagaa tgttctqtcq tctctcqcaq 60 tttacgegga agatteagag eeegagtetg atggegagge tggaategag geggtgggea 120 gcgcggctga ggagaaaggc ggattggtat ctgatgccta tggggaggat gacttttctc 180 gtctaggggg tgatgaagat ggttatgaag aagaagaaga tgagaacagt agacagtcgg 240 aagatgacga ttcagagact gaaaaacctg aggctgatga cccaaaggat aatacagaag 300 cagaaaagcg agacccccag gaactcgtgg cctccttttc tgaaagagtt cqqaacatgt 360 cgcctgatga aatcaagatc ccgccagaac cccctggcag atgttcaaat cacttgcaag 420 acaagatcca gaagctttat gaacgaaaga taaaggaggg aatggatatg aactacatta 480 tccaaaggaa gaaagaattt cggaacccta gcatctacga gaagctgatc cagttctqtq 540 ccattgacga gcttggcacc aactacccaa aggatatgtt tgatccccat ggctggtctg 600 aggactecta etatgaggea ttagecaagg eccagaaaat tgagatggae aaattggaaa 660 aggccaaaaa ggagcgaaca aaaattgagt ttgtgacggg caccaaaaaa qqcaccacqa 720 ccaacgccac gtccaccacc actaccactg ccagcacagc tgttgcagat gctcagaaga 780 840 ccaccacage caccetgeca getgttgtca eggtcaccae cagegecage ggetecaaga 900 ccaccgtcat ctctgctgtg ggcaccattg tgaagaaggc caagcagtga cctgaggggc 960 cacccctagg gatttgaaag gaccgtgcag cccagtgacc cactgcccag tgggaggcgc 1020 cactttgtat atttcaggac tgggacctac tccccaagat gccacctgag aggagcttct 1080 gtttggcatt ccagatggaa ggacaggcag cacgggagcc aggcgctgtg gacagggtct 1140 gtccacgcac cacctggggt ctgccgccta ttaaaagtgc cgtattctta cctcttggca 1200 tctcagatgc aaaaaaaa 1218

```
<210> 7026
     <211> 782
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (76)...(510)
     <223> similar to gi2909830 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7026
cgtcactgca aggcgccggg ggacacgttg gctgcgtttt cggcgggctt cccgggtaca
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aaaatggctg tggctagcga tttctacctg cgctactacg tagggcacaa gggcaagttt
                                                                      120
gggcacgagt ttctggagtt cgaatttcgg ccggacggaa agcttagata tgccaacaac
                                                                      180
agcaattaca aaaatgatgt catgatcaga aaagaggctt atgtgcacaa gagtgtaatg
                                                                      240
gaagaactga agagaattat tgatgacagt gaaattacaa aagaagatga tgctttgtgg
                                                                      300
cctcccctg atagggttgg ccgacaggag cttgaaattg taattggaga tgagcacata
                                                                      360
tettttacca catcaaaaat aggttetett attgatgtaa atcagteaaa ggateetgaa
                                                                      420
ggccttcgag tattttacta tttggtacaa gacttgaaat gtttagtttt cagtcttatt
                                                                      480
ggattacact tcaagattaa accaatttaa attgtatgtt ttcaggctgt ttgtatattt
                                                                      540
aattaaggga tgggaggggt tatttgtcat ttacagtatt ggggttttta tgaatgtgaa
                                                                      600
gcaaacaaaa aaaatttgta tgtaaactga aaataagaaa atacattagc aagcttaatg
                                                                      660
gttatcctta cttgagtcca catgggttgg acagtcccca cacacattaa attctgtaaa
                                                                      720
tgaaagccac cttttgttaa aaatttgctc taataaaaca taccaaatcc tgaaaaaaaa
                                                                      780
aa
                                                                      782
     <210> 7027
     <211> 2034
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (209)...(1337)
     <223> similar to gi3702295 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 7027
cgacgatttc gtcgagaggc gccgctggac ccggacgacc tgtctagtcc gttcgccgcc
                                                                       60
ccacgtcccg gtctgtggcc acgcctgcag ctggaatgga ggctctctgg accctttaaa
                                                                      120
aggcacccct gccctcctga ggtcagctga gcggttaatg cggaaggtta agaaactgcg
                                                                      180
cctggacaag gagaacaccg gaagttggag aagcttctcg ctgaattccg agggggctga
                                                                      240
```

```
gaggatggcc accaccggga ccccaacggc cgaccgaggc gacgcagccg ccacagatga
                                                                      300
cccggccgcc cgcttccagg tgcagaagca ctcgtgggac gggctccgga gcatcatcca
                                                                      360
eggeageege aagtactegg geeteattgt caacaaggeg eeceaegact teeagtttgt
                                                                      420
gcagaagacg gatgagtctg ggccccactc ccaccgcctc tactacctgg gtatgccata
                                                                      480
tggcagccga gagaactccc tcctctactc tgagattccc aagaaggtcc ggaaagaggc
                                                                      540
tetgetgete etgteetgga ageagatget ggateattte eaggeeacge eccaceatgg
                                                                      600
ggtctactct cgggaggagg agctgctgag ggagcggaaa cgcctggggg tcttcggcat
                                                                      660
cacctectae gaettecaea gegagagtgg cetetteete ttecaggeca geaacageet
                                                                      720
cttccactgc cgcgacggcg gcaagaacgg cttcatggtg agccctggcc ctggctgtgt
                                                                      780
gtcccctatg aaaccgctgg aaatcaagac ccagtgctca gggccccgga tggaccccaa
                                                                      840
aatctgccct gccgaccctg ccttcttctc cttcatcaat aacagcgacc tgtgggtggc
                                                                      900
caacatcgag acaggcgagg agcggcggct gaccttctgc caccaaggtt tatccaatgt
                                                                      960
cctggatgac cccaagtctg cgggtgtggc caccttcgtc atacaggaag agttcgaccg
                                                                     1020
cttcactggg tactggtggt gccccacagc ctcctgggaa ggttcagagg gcctcaagac
                                                                     1080
gctgcgaatc ctgtatgagg aagtcgatga gtccgaggtg gaggtcattc acgtccctc
                                                                     1140
tectgegeta gaagaaagga agaeggaete gtateggtae eecaggaeag geageaagaa
                                                                     1200
teccaagatt geettgaaac tggetgagtt ecagactgae ageeagggea agategtete
                                                                     1260
gacccaggag aaggagctgg tgcagccctt cagctcgctg ttcccgaagg tggagtacat
                                                                     1320
cgccagggcc gggtggaccc gggatggcaa atacgcctgg gccatgttcc tggaccggcc
                                                                     1380
ccagcagtgg ctccagctcg tcctcctccc cccggccctg ttcatcccga gcacagagaa
                                                                     1440
tgaggagcag gcggctagcc tctgccagag ctgtccccag gaatgtccag ccgtatgtgg
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tgtacgagga ggtcaccaac gtctggatca atgttcatga catcttctat cccttcccc
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aatcagaggg agaggacgag ctctgctttc tccgcgccaa tgaatgcaag accggcttct
                                                                     1620
gccatttgta caaagtcacc gccgttttaa aatcccaggg ctacgattgg agtgagccct
                                                                     1680
teageceegg ggaaggtgag cagageetga egaatgetgt egaeteateg egttagteae
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gtgtggttca atatgctgtt tgttcattgg tcggccccc cactcagcca gcacaccctg
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cgggagaagg aacagggatc ggcaggaagc cagccttccc cagtgactgc atgatctggc
                                                                     1860
agggettaga geacceaact gttggettat teaggeagea gatttactga geaccteece
                                                                     1920
tgtgccaggc ccttagcaca accaggggtt ggccacctac ggcccacagg tcaaatccgg
                                                                     1980
cccaccacct gtgttcataa ataaagtttt attggcactg agccccaaaa aaaa
                                                                     2034
```

```
<210> 7028
<211> 6641
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6565)...(4022)
<223> similar to gi3327212 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

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<400> 7028

cacacgtata tatagagaaa cactcaaaaa taaatatta tccagacaaa aggaaatagc 60
gggccgccc ccgttttcc cagggaaatt ggataaaaaa cagcccaggg ggggggcccg 120
agaaacaaaa aaaagaattt gtgtatcggg ccgcgggggg gaagtaaatt tgatatcctt 180
aaacccgcca ctctttttt ttttttctt tttattattc tttattggtc ctaccaatgt 240
gactcttac ccaggcccac tgttcctatg cgcactggct ttgtaggcat tcacatcata 300
tgtctgtgtc ctgaaaatct caattaattt ctccttcta ttcttttcc atgetctgcc 120
agaaattgaa ggcatttgat tattatttt ttgtttgggg tctgtgtaaa 420
```

```
gggttccttg ggcaggagga acatggcata tggactttaa aataaagacc aaacatttct
                                                                       480
ggacacttaa ggttaatgcc accagaaaaa aataccagtt actccagacc atccattggc
                                                                       540
aaattaaata cccccataca gatgaagtta tctcaaatgt aacaatattt cttatgaatc
                                                                       600
aacactgtaa cggaaggtaa aaataggagt ccctacaact aggaataaga aatgcttatt
                                                                       660
ccaggaaaca gaattetttt atttttgtca tttatattat tataattttt cettttttgq
                                                                       720
agaaggaagg acagtttttc ttcctccaag agtaccaatt tgaccactcc cactaacctc
                                                                      780
actcagcaaa caaaacagga tgtagacctg gtttgctaag gagttttaat gagttctgtt
                                                                       840
tcctgaaatt aacagtgatt agttacacca agcaagagaa gatataatgt ctcgctttca
                                                                      900
catttgcaaa gaatactatg gctaaccctc atcccctact gcgcatgcca acacagcgtc
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ggccctcctg ataccctcag ctcttcacaa acgtggcgtt catacagctt gctcagcttg
                                                                     1020
tcccagaagg tccatttggt tcccaaagca cactcaaggt tttgtgtttg ctttcatttt
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ctaagcccct gaatttgcaa gtaaagaatc actgactaac agaattttgc acaatgactg
                                                                     1140
ttttctttcc ctcaatgaag atgcccaggt ctgggtgtga ggagcacctg cctcacctgc
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tgtccacgct ggccttcagc atgcccacta gctcttccct gctcgctttt gagaatgatc
                                                                     1260
tgtgctggga cacctccctt aactgatgaa ggcactactg gcaatgatta ctaacaaaaa
                                                                     1320
ggtgttgaaa gagaacaccc taaaaatcga cgactgtaga attttctaag tgtaccacaa
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tttggcacaa caaccagagt aacaaaacaa ttccaatttg gaattttatt ggtacagttg
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tttaaccaga gcaaaggtca agttttcttc ttgttacatt gaactattcc taagaataat
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aataatacaa tatgaaaaac cccagaatct gaataccctg gatttcttaa tgaacatggc
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atttaaaatc tgtaatttca aacatgaacc acaatgccgt atgatctaaa ggctgctgaa
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ccacagcgtg gatacactta gctgagctcc tcgctgggtc aaagcactca tctccgagtc
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taaagctaca cgctatggag cacacagctc tgcctcgtgc tgacaccaga caaacacggt
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ctacgcgagg aattaaggaa gcaaatataa tatcaaaata tcaaaagtgc acaggttgat
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cggataaaaa aagaacatgt gtaacaagga gcccccgtgg tgggcgtttc cagtgggctc
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ctggcgagcc tggcagccag ggaagaaggg tcttcggccc atacagaggc ctttccacgc
                                                                     2100
agcagetege agcatgetea acattaaage ttttttteet eecattaaaa acetggggaa
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tgctattttg aaaagaattg cagtggcata tccaaaaagt ttctaagtgg gcttttaggt
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ccagtggctt gggtgtctgc aaagtccctt aggagtatgg agagaagcta tatgccaggc
                                                                     2520
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gtcctggagt ctggaggga ccgaaacata ctcggcacca aagggaagaa cgcgcagggc
                                                                     2700
agagagetgt gggaggggc aacacggtet etcaccaggt aactegaatg cetetteege
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atgagagaca aggcaagcag cctgcaggag agaagactgc agcctcaggt ccagctggtc
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ccacagggtg atcgggaaaa aagtactgag aaaagttctg ctcagaatgt gggaaggcag
                                                                     2880
gtgtggatgg agcctctgga aatgggagaa ccctacagct acctttcctc tttctctgtt
                                                                     2940
gccatccccc agattgcact aaataaagag acctaaacat ctcctacctg tgaatcctga
                                                                     3000
caagtggccc tggccctatg caaagctttc ccagcaccgg gctgggctct ggatacacct
                                                                     3060
gtgggtgtcc aacccaagcc aagccctttg gtggcttcag actttcaggc tagggttttt
                                                                     3120
caaaagcccc catgtctttt gggactgaac cccctatgga aggccggata attggctgct
                                                                     3180
ggggtcaccc caagtacaaa aggacgggct ctgcactaag gaccaaggtc tggccaggca
                                                                     3240
cttggaaagc ttttctcatg aaaaatgaaa acctggggcc ttgggccctg ccaatctgtc
                                                                     3300
acctcacagg ccactataca agcatcctga tctcagaaat gagaaaccga gctctggatt
                                                                     3360
cctgggttat ggtcagctgt gtctgtgcca tgtgtgtctg gccagcagaa tacaggggct
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cagggctgct cttctctggg cttggggaag aaattctgca cttctttcct gaatatgatt
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tgcagtcaga tactgcataa actacaacgt actcctttcc atgaaactat gccaagtgca
                                                                     3540
aagccatect etgaggtegt acetatgetg caggetggaa eeteetaaaa etgettteta
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gtgctgacat tagacacatg cgaggaacat gcaagtctca actcaggttc tgcccctttt
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ttagaagatg ctttcatcac acatetgetg caagaatgtg cagetetate ecceetetg
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acceccacet aagagageag etgaggaetg ggtgeteetg agggggettt gaggagtgag
                                                                     3840
```

```
aagcgacaca aagctctcac aagtgtcctg ctgatgcaac gccccatggc gcctcggcta
                                                                     3900
gactectace etetgtgeat tagteaegtt aagattgace tageaeegee gteeegetge
                                                                     3960
tgctgggtta gttgaggtga agcagatgtt agctgcagcg tgcggcgccc cacagcccct
                                                                     4020
aatcacagta aatgctgtgc ttctcgctgc agaacacctg gttggccagc ccggtgccct
                                                                     4080
eggecetgte getggeacag geacaggtgt gaettaeget eggtgtgget ggettggtet
                                                                     4140
teggggegge tttggcaegg ceaegeeggg tetgeteatg gteeageteg ageageteea
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geogetgggt cagegecage ttetgetgga tggecatgeg cageagegag tteagegtet
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tettetegte etcageagee gecagetgee getgeatete atceagetgt gtaatgtact
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cgtcacacct ggtggcaaac atagcacgca gcgaggagaa ggtggctgcg tcctccttga
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gggccttgag ctcattgcgc agcttcatca tggtctcggt aaccatggcc ttctcattct
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cagtgcgcag cgtggtgatc tgctcccgct tggtgctgag cagcgacttc agcttgagga
                                                                     4560
tetectecat aagegettee ttgteettgt ecaeggeggg geecagetee tgagaggeaa
                                                                     4620
tgcgctggcg tgacagctcc gtggtgcggt ccacggctgc ctgcaggtgc ttgatctggt
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cacggatgat agcgatcagg ttgtagatgt tcatgggctc ccggcgtggg tcactcaggg
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agtccagcat gacacggttg ggtgtctcat tgttgcacat gcacacgtgg tggtagagat
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tggccagete etcactgaag gtcaccaget catcetggge cacactcagg etgecetgtg
                                                                     5040
tetegeegge gaegtegete acettetta geteettete cageegggee ageagetege
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ggtcctggcg gctggccttc tctagcaggg agaccttctc cgtgagtgcc tggccctcag
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ceteatageg gecettetee teggegtget gggceteacg agectegtge gtgetgegea
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gtgccttgag ctgctcgcgg agctcgccag cctcagccac agccacatgg tacttgcagg
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ccaagatete aggecegttg atgtecacet egtagtagte eccateetea tqqetqteae
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ggtccttctc gttgtccagg gctgtctgcc gctccttgct ggcctgcagg cgccgcaggg
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cactcagatt ctctgtgagg cgggtcacct tctcctgctg ttctgacagg gagccccgcg
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tgtgctccag ctgcttctgt gtgtcctgca gcgttgccag caggcccgcc ttttcccgct
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ccatctgcat cagctgctgc ttcagcttct ggatctcaga gatgttgagc tcactgagta
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ggtcggagac gaggctgggg gagggcggtg cgaggccctc cttcttgggc gtggaggtct
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ccagacgett gateteatge ttgaggeeet caaacteeae etggttetgt etgageaeag
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acacttgctt ctgcaggctg atgttctcct cctccagttc cgagtagtcc tgcagcagac
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gagetteeeg gaatttgtae teettgatgt cateeegeag geggeeaege tggateteea
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cattetggtt gateteette ageteetggg ccacagagge caggegetea tteteegaet
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gcgtgttggt gaggacattg cgcaactgct tcagctccgt ctgcagctct agcaccttcc
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gcacgtagta ctgctccttg gaggccgact cctggatcag gctctcctcc cggctctctc
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cgtcagcagc caccttcttg tggtttgtgt gtgcttgtcc aaaggcctcc ttgagctgct
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ccatctcgct gcggatagcc tcatagtcca cctcgagctc ctcgaactgc agcttgagct
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ggtgcttctc ctcgagcacc gccagcccgt actcggccgc ctggatcttc tcacgcgtgg
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teteggecag etegtgggae ageegettea eeteggegeg cageeactee ggetgegeet
                                                                     6540
ccatcaccag ccgcgcgtac tcctcctcct ccgacggcgc cgacatggtg gccgagggct
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gagccggctc ccactgaggc tctcgcaggc cgggcacgaa a
                                                                     6641
```

<210> 7029

<211> 1952

<212> DNA

<213> Homo sapiens

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<220>
<221> misc_feature
<222> (463)...(1263)
<223> similar to gi4884300 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 7029 caagagttcg gcgcgagggg ctgggtccct ctagccggcg ccgctcctcc tcctggcagg 60 ceggeegegg agteagetga egeeggeget ceagectege eteceegege egegetetge 120 gctccgcgaa agtggctgca agccggccgc ccactgtcag ggttgggggg acagagaaag 180 tgatgtgcgc cttctaaagc ctcgcccagc gccgccgaag cagcttcacc tctccaactt 240 teteceaceg actgettgte ttgaecetge cetecacect ecceaqagee actteggqtq 300 cgcgctcttg ggtaaagggg gggtcaccgg ctgtctggga tggcttccaa ttttaatgac 360 atagtgaagc aagggtacgt gaggatccgg agcagacgcc tcgggattta tcagcgatgc 420 tggttagtat tcaaqaaaqc ttcaaqcaaa qqtccaaaaa qactqqaqaa attttctqat 480 gaacgtgctg catatttcag gtgttatcat aaggttacag aactcaataa tqtgaaqaac 540 gtagetegat tgecaaaaag caccaagaaa catgecatag ggatttattt caatgacqat 600 acctccaaga cttttgcttg cgaatcaqat cttgaggctg atqaqtqqtq caaaqtactc 660 cagatggagt gtgtaggaac acggatcaat gacatcagcc ttggagagcc tgacttactg 720 gccactgggg ttgagagaga acagagtgag agattcaatg tgtatttgat gccatctcct 780 aacttaggat gttacatggg cgaatgtgcc ttgcagatta catatgagta tatctqtctt 840 tgggacgtcc agaatcccag agtcaaactc atctcttggc cgctaagcgc cctgcggcgg 900 tatggacgtg atactacgtg gttcactttt gaggcaggga ggatgtgtga gactggtgaa 960 gggctgttta tctttcagac ccgagacggg gaggccatct atcagaaagt ccactctgct 1020 geettggeea tageegagea geacgagege ttgetacaga gtgtgaaaaa etegatgete 1080 cagatgaaga tgagtgageg ggeegeeteg etgageacea tggtgeeeet geetegeage 1140 gectaetgge ageacateae aeggeageae ageaegggae agetetaeeg ettgeaagat 1200 gtttccagcc ctctgaagct tcatcgaaca qaqacttttc caqcctacag atctgagcac 1260 tgacagtaac tgccaagaat tgttaacaca cttgtgatgt gtcagccaca gattcaccca 1320 ggaggtcaca gaatgacagc aagggaaatg acgaccaaga gaagaagctt aaagtcctgg 1380 ctaattgtgt ggtcattgga aaactctgca atacaataat tttctttatt ttcttttct 1440 tttttaaatt cttagtgtaa ttgaaacgtg ctctatagat attgactctg tgttccctct 1500 tttacagetg gacagaaaga agtcaatgte acgaaatgat tttetattgt agataetttg 1560 tecettgeae ttetetgaat etgteetttt gtggattett gtgattttee tteeaagtgt 1620 ttcagttgta tgacagtcag tattgacaat aaaatggctt ttaattattt gttatttqtt 1680 tacaccctat tecteagtta ttattactgt ggttetgatt aactactgga aattatattt 1740 gattatatca ccaattagtt aaatcagggc ttcgactcac tcttatctqt tctqttcaaa 1800 actatttgtt caaagaaccc gttagttgtt tacagagtta cagtttctct cacatgcttt 1860 cctcaccccc ttaccccgct ttttgaaagc ctttattttg ttcggagtct cttcataaaa 1920 catttgaaaa taaaagatca ttcttcaccc at 1952

```
<210> 7030
<211> 1216
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (119)...(846)
<223> similar to gi4680697 in the genepept database release 114,
```

```
<400> 7030
cegggetgee etcagegetg cetgattgea tttgeggeet egetgeegea teccaggeta
                                                                       60
agegetgege geaaageegt geggagattg gaggeegege gggteeetgg tetgggeeat
                                                                      120
gtctggctgt gatgctcggg agggagactg ttgttcccgg agatgcggcg cgcaggacaa
                                                                      180
ggagcatcca agatacctga tcccagaact ttgcaaacag ttttaccatt taggctgggt
                                                                      240
cactgggact ggaggaggaa ttagcttgaa gcatggcgat gaaatctaca ttgctccttc
                                                                      300
aggagtgcaa aaggaacgaa ttcagcctga agacatgttt gtttgtgata taaatgaaaa
                                                                      360
ggacataagt ggaccttcgc catcgaagaa gctaaaaaaa agccagtgta ctcctctttt
                                                                      420
catgaatgct tacacaatga gaggagcagg tgcagtgatt catacccact ctaaagctgc
                                                                      480
tgtgatggcc acacttctct ttccaggacg ggagtttaaa attacacatc aagagatgat
                                                                      540
aaaaggaata aagaaatgta cttccggagg gtattataga tatgatgata tgttagtggt
                                                                      600
acccattatt gagaatacac ctgaggagaa agacctcaaa gatagaatgg ctcatgcaat
                                                                      660
gaatgaatac ccagactcct gtgcagtact ggtcagacgt catggagtat atgtgtgggg
                                                                      720
ggaaacatgg gagaaggcca aaaccatgtg tgagtgttat gactatttat ttgatattgc
                                                                      780
cgtatcaatg aagaaagtag gacttgatcc ttcacagctc ccagttggag aaaatggaat
                                                                      840
tgtctaagcc aaaagaaagt ctaattatat acagagataa agctaaacqt aattattatt
                                                                      900
taaatgaaag ctatttttt aaatgaattg aaatttttca tgatqctact aatttqccac
                                                                      960
taaatactgc aaatggtcac cctgaatctc ttctgacatt ggatgttatt tgcttatatt
                                                                     1020
cttataattt taaatgaggg cacagtgaaa tgaaaatttt atactctatg tttctgttta
                                                                     1080
tttttaaatc cttaacagca aaatatttgc ctttaatttc ttttttatat atactctcag
                                                                     1140
agaattcctc ttaattttta aagatgctgg tgataataaa attcattaga aaatttcctc
                                                                     1200
attgtgaaaa aaaaaa
                                                                     1216
```

```
<210> 7031
<211> 2752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (195)...(2098)
<223> similar to gi5353573 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7031
tttcgtctct ggtgaataga cggctgtggg gcagagaagt gtgaaggcct ggctgccggg
                                                                60
caggtgaact ctccacgggg tctagggccc gcgaaagggt tcggaaccga gtcagcgcgc
                                                               120
cttgcgggca ggattcacgc cgctgtgacc cggaggtcct cagggggcga aqccccqqcc
                                                               180
240
tcatcacctc ctcactcgcc tccgcgcaga gaggtatttc tggtggtcgc attcatatgt
                                                               300
cagttttagg aaggettggg acatttgaaa etcagattet geaaagaget eetettagat
                                                               360
cctttacaga aacaccagca tactttgcct caaaagatgg gataagtaaa gatggttctg
                                                               420
gagatggaaa taagaaatca gcaagtgagg gaagtagtaa gaaatcaggc tctgggaatt
                                                               480
ctgggaaagg tggaaaccag ctgcgctgtc ctaaatgtgg cgacttgtgc acacatgtag
                                                               540
agacctttgt atcatccacc cgttttgtca agtgtgaaaa gtgtcatcat ttttttgttg
                                                               600
```

```
tgctatctga agcagactca aagaaaagca taattaaaga acccgaatca gcagcagaag
                                                                      660
ctgtaaaatt ggcattccaa cagaaaccac cacctccccc taagaagatt tataactacc
                                                                      720
tegacaagta tgttgttgge cagteatttg etaagaaggt gettteagtt getgtgtaca
                                                                      780
atcattataa gagaatatat aataatatcc cagctaatct gagacagcaa gcagaggttg
                                                                      840
agaagcagac atcattaaca ccaagagagt tagaaataag aagacgggag gatgagtaca
                                                                      900
gatttacaaa attgcttcag attgctggaa ttagcccaca tggtaatgct ttaggagcat
                                                                      960
caatgcagca acaggtaaat caacaaatac ctcaggaaaa acgaggaggt gaagtattgg
                                                                     1020
attettetea tgatgacata aaacttgaaa aaagtaatat tttgetgett ggaccaactg
                                                                     1080
ggtcaggtaa aactctgctg gcacaaaccc tagctaaatg ccttgatgtc ccttttgcta
                                                                     1140
tctgtgactg tacaactttg actcaggctg gatatgtagg cgaagatatt gaatctgtga
                                                                     1200
ttgcaaaact actccaagat gccaattata atgtggaaaa agcacaacaa ggaattgtct
                                                                     1260
ttctggatga agtagataag attggcagtg tgccaggcat tcatcaatta cgggatgtag
                                                                     1320
gtggagaagg cgttcagcaa ggcttattaa aactactaga aggcacaata gtcaatgttc
                                                                     1380
cagaaaagaa ttcccgaaag ctccgtggag aaacagttca agttgataca acaaacatcc
                                                                     1440
tgtttgtggc atctggtgct ttcaatggtt tagacagaat catcagcagg aggaaaaatg
                                                                     1500
aaaagtatct tggatttgga acaccatcta atctgggaaa aggcagaagg gctgcagctg
                                                                     1560
ctgcagacct tgctaatcga agtggggaat cgaatactca ccaagacatt gaagaaaaag
                                                                     1620
atcggttatt gcgtcatgtg gaagccagag atctgattga gtttggcatg attcctgagt
                                                                     1680
ttgtgggacg gttgcctgtg gtggttccat tgcatagcct agatgagaaa acacttgtac
                                                                     1740
aaatattaac tgagccacga aatgctgtta ttcctcagta ccaggcctta ttcagcatgg
                                                                     1800
ataagtgtga actgaatgtt actgaggatg ctttgaaagc tatagccaga ttggcactag
                                                                     1860
aacgaaaaac aggtgcacga ggccttcggt ccataatgga aaagctgtta ctaqaaccaa
                                                                     1920
tgtttgaagt ccctaattct gatatcgtat gtgtggaggt tgacaaagaa gtagtagaag
                                                                     1980
gaaaaaagga accaggatac atccgggctc caacaaaaga atcctctgaa gaggagtatg
                                                                     2040
actctggagt tgaagaagaa ggatggcccc gccaagcaga tgctgcaaac agctaaactg
                                                                     2100
tcatattgct gtcttgtata tacagctttt ccttcttttg tttaggatca taattgtctc
                                                                     2160
tacagtetga tattaaagge attggateta tettggatat catacatggt cagagaagee
                                                                     2220
tttaggagaa gaatcagatc atgtatataa ttgtaacatc acattgattt tacggaagat
                                                                     2280
gttatatgga ctttaatgac acaatgttta gagataaaat gtacattatt ttggttcagt
                                                                     2340
ttttttaaaa aaatatgctt taacaaaatt cttaggaatt cttttaagca atgcaggtat
                                                                     2400
tgcgataact gtagatttta caataatgtt actctacaaa tgggaaaata aattctttaa
                                                                     2460
aattgaatat tgagatacca ttctttagtg ttaccttttt tacccacatg tgtttctgaa
                                                                     2520
aatattggaa ttttattcat cttaaaaatt ggaccaggta ggccgggcgt ggtggctcgc
                                                                    2580
gcctgtaatc ccagcacttt ggggggccga ggcgggtgga tcacgaggtc aggagttcaa
                                                                    2640
gaccagectg gecaagatgg tgaaacccca tetetactaa aaatatgaaa aattagetgg
                                                                    2700
gtgccgtggc gggtgcctgt aatcccagct gcttgggagg ctgaggcagg ag
                                                                    2752
```

```
<210> 7032
<211> 1493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1392)...(160)
<223> similar to gi5410292 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7032
tttttttttt ttgaatgaaa accatgaatt taatgtgaca ttgggggagc ctcatccttc

```
cetttttace acceaceat ccageetgtt gtgagttggg tgagggetge ccecagtete
                                                                      120
cgtcctgcgg Ctctgggtgc catcctgttc ctttgagctc agtcagcctc ctgggctcgt
                                                                      180
ctctctgtga atctccttct tgcgtattca tatagtgctt gcttgcgctc ctgcaggctc
                                                                      240
tectgeeggg eecaggaaga ettggeaaat gttagggetg ttggetgagg ggteaeeggg
                                                                      300
ccagagctgg gaaacttgga ggcagaggct gtgggtaggg actgagttcc cttggtgatg
                                                                      360
tcttcaggca tgaaagctac ggcccctca agcagattag tgatagtcaa gtctacacag
                                                                      420
ccagtcttgg ccaggtctct ctggatgaca cccaatggca catggggcaa aacttccttg
                                                                      480
actototgag coagagttgo cagttgoaca toaggagaag gaccagggga gggagggaaa
                                                                      540
gaagactggg ctgactgggg gcgcaatctg gggtgtcttt gtcgcttcat gtgctctgct
                                                                      600
ttgtcagctg gagtgagccg tgtccctgtc tggcccaatt ccttggccac cagctgttgt
                                                                      660
acacggagtg caaactcctc attogcttcc cctagttggc gatgaacagg acgaagccac
                                                                      720
cttacttgat acaccgtgaa agggacgaaa agtgaccaca gcagttctga gacccaggag
                                                                      780
geatetgaca cegteacaga gaccaggggt etetgaaett geagggtaag aggttgtace
                                                                      840
acatettgga tagaaaatgg ccaggaactg aagegeagga geceeteeeg gecattggtg
                                                                      900
geetetteet cagggaatag cageagagga gtggggggaa geetegtgga ageacagaat
                                                                      960
ctcttgagtg actccaccaa ctcccccgc ccattcatct ccatgaagcc ccgagaccag
                                                                     1020
cacacaaagc tggggggact attgagtaga ggggtgctac aggtggtaag caaattgact
                                                                     1080
atgttgtggt cgaaaggtgt cacatggttg gaaatgagga ccctgacact gtgatcccgg
                                                                     1140
agtccggagt cctcctgccg ggccacgagc cctagcaccg cacacatggt ccgcactacg
                                                                     1200
aatctgcgaa ggacgctgtc tggcagcgcg cagctgacca ggaagacgtg gatcccgaga
                                                                     1260
aagaggcgca ggacgaggag gcagaacccg actggcgcgt agagcagcag cacgagcagt
                                                                     1320
aggaagcagt cacceggaag ceggtgegag teaaagagee geteeggeee eggeeetgag
                                                                     1380
ggaageteea taaetgetge tteaggageg eeeggeegte geegeegeeg eeattttege
                                                                    1440
gcccggccgc aggggctctt cggggggggg gggggattaa tttaattaag gat
                                                                    1493
```

```
<210> 7033
<211> 4923
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (681)...(3354)
<223> similar to gi4115769 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7033
ctcacgacgg gccgagcctg ccactgctaa ctatatgtca gaaagcatca gcttttctcg
                                                                       60
atggacccat tcatctaatg aaatatgcct gtactatttt aaaaagcttt gtatttcgtc
                                                                      120
atagaaaagt tcatccccc agaatgaaaa tgaggacatt tgagaaggtg atttaaggtg
                                                                      180
tggacatttg agaaggtgtc ctatcaaatt agtaaaccaa aggaaaagta ctgaatagat
                                                                      240
taatccaaaa cacttacttt tttttaaacg aagaggattt caccttgaca gaaaaacaac
                                                                      300
ttttattcaa tatgtatttc ctgaaattaa agagacaagt acagactgaa aggaaaatag
                                                                      360
attogtaaat aagotacgto aactotatoo tgotgaggat agotcagtga tgttaaatoo
                                                                      420
tttacaaatc cctggttgtc ttcctacaga caagactgct ttttgatggg actgatatta
                                                                      480
agagaaatag gacctttggg gcattcaact ccttgataaa acttaaaagt atcggcatga
                                                                      540
gtggcttaac agaggaaata aagaagtttt caactaaatc caaaagtgcg gtcattttct
                                                                      600
ttactgctgt tattttaaaa acctcttcat aaccattgaa aaagaatcga caactatttt
                                                                      660
aaaagattaa agaaaggcag atgtctgcaa ataattcccc tccatcagcc cagaagtctg
                                                                      720
tattacccac agetatteet getgtgette cagetgette teegtgttea agtectaaga
                                                                      780
```

```
840
egggaetete tgeeegaete tetaatggaa getteagtge accateaete accaaeteea
                                                                     900
gaggeteagt geatacagtt teatttetae tgeaaattgg ceteacaegg gagagtgtta
                                                                     960
ccattgaagc ccaggaactg tetttatetg etgteaagga tettgtgtge tecatagttt
                                                                    1020
atcaaaagtt tccagagtgt ggattctttg gcatgtatga caaaattctt ctctttcgcc
atgacatgaa ctcagaaaac attttgcagc tgattacctc agcagatgaa atacatgaag
                                                                    1080
gagacctagt ggaagtggtt ctttcagctt tagccacagt agaagacttc cagattcgtc
                                                                    1140
                                                                    1200
cacatactct ctatgtacat tcttacaaag ctcctacttt ctgtgattac tgtggtgaga
tgctgtgggg attggtacgt caaggactga aatgtgaagg ctgtggatta aattaccata
                                                                    1260
aacgatgtgc cttcaagatt ccaaataact gtagtggagt aagaaagaga cgtctgtcaa
                                                                    1320
atgtatettt accaggacce ggceteteag ttecaagace eetacageet gaatatgtag
                                                                    1380
cccttcccag tgaagagtca catgtccacc aggaaccaag taagagaatt ccttcttgga
                                                                    1440
gtggtcgccc aatctggatg gaaaagatgg taatgtgcag agtgaaagtt ccacacacat
                                                                    1500
ttgctgttca ctcttacacc cgtcccacga tatgtcagta ctgcaagcgg ttactgaaag
                                                                    1560
gcctctttcg ccaaggaatg cagtgtaaag attgcaaatt caactgccat aaacgctgtg
                                                                    1620
catcaaaagt accaagagac tgccttggag aggttacttt caatggagaa ccttccagtc
                                                                    1680
tgggaacaga tacagatata ccaatggata ttgacaataa tgacataaat agtgatagta
                                                                    1740
gtcggggttt ggatgacaca gaagagccat cacccccaga agataagatg ttcttcttgg
                                                                    1800
atccatctga tctcgatgtg gaaagagatg aagaagccgt taaaacaatc agtccatcaa
                                                                    1860
caagcaataa tattccgcta atgagggttg tacaatccat caagcacaca aagaggaaga
                                                                    1920
gcagcacaat ggtgaaggaa gggtggatgg tccattacac cagcagggat aacctgagaa
                                                                    1980
agaggcatta ttggagactt gacagcaaat gtctaacatt atttcagaat gaatctggat
                                                                    2040
caaagtatta taaggaaatt ccactttcag aaattctccg catatcttca ccacgagatt
                                                                    2100
tcacaaacat ttcacaaggc agcaatccac actgttttga aatcattact gatactatgg
                                                                    2160
tatacttcgt tggtgagaac aatggggaca gctctcataa tcctgttctt gctgccactg
                                                                    2220
gagttggact tgatgtagca cagagctggg aaaaagcaat tcgccaagcc ctcatgcctg
                                                                    2280
ttactcctca agcaagtgtt tgcacttctc cagggcaagg gaaagatcac aaagatttgt
                                                                    2340
ctacaagtat ctctgtatct aattgtcaga ttcaggagaa tgtggatatc agtactgttt
                                                                    2400
accagatett tgcagatgag gtgettggtt caggecagtt tggeategtt tatggaggaa
                                                                    2460
aacatagaaa gactgggagg gatgtggcta ttaaagtaat tgataagatg agattcccca
                                                                    2520
caaaacaaga aagtcaactc cgtaatgaag tggctatttt acagaatttg caccatcctg
                                                                    2580
ggattgtaaa cctggaatgt atgtttgaaa ccccagaacg agtctttgta gtaatggaaa
                                                                    2640
agctgcatgg agatatgttg gaaatgattc tatccagtga gaaaagtcgg cttccagaac
                                                                    2700
gaattactaa attcatggtc acacagatac ttgttgcttt gaggaatctg cattttaaga
                                                                    2760
atattgtgca ctgtgattta aagccagaaa atgtgctgct tgcatcagca gagccatttc
                                                                    2820
ctcaggtgaa gctgtgtgac tttggatttg cacgcatcat tggtgaaaag tcattcagga
                                                                    2880
gatctgtggt aggaactcca gcatacttag cccctgaagt tctccggagc aaaggttaca
                                                                    2940
acceptioned agatateteg toagtegegag tratcatora tetegagocto agtegeracat
                                                                    3000
ttccttttaa tgaggatgaa gatataaatg accaaatcca aaatgctgca tttatgtacc
                                                                    3060
caccaaatcc atggagagaa atttctggtg aagcaattga tctgataaac aatctgcttc
                                                                    3120
aagtgaagat gagaaaacgt tacagtgttg acaaatctct tagtcatccc tggctacagg
                                                                    3180
actatcagac ttggcttgac cttagagaat ttgaaactcg cattggagaa cgttacatta
                                                                    3240
cacatgaaag tgatgatgct cgctgggaaa tacatgcata cacacataac cttgtatacc
                                                                    3300
caaagcactt cattatggct cctaatccag atgatatgga agaagatcct taatcactga
                                                                    3360
gctaacctaa ataaggaagg atttcatttt atggactgat attttgctgt gtaacttgtt
                                                                    3420
cttcgtaaat tgtcatctgc agtgctgcaa agatatgaag aaatatgata acgaataagt
                                                                    3480
gacaccagta ctgtagttca taatgagtag gtacaggcgg gaaactgaat aataagaagt
                                                                    3540
cataatggaa tcaaggtgaa gctttttata aactttttta gcctaagcaa taactggttt
                                                                    3600
tgtatttttt cttaatcctt cactttaata caataggctc acttaatttg tcttcccatt
                                                                    3660
3720
tttaaggaaa aacaagtcaa gctagcatcc agttactata tagcttggct aaattataca
                                                                    3780
agacttacaa gattgattac tcgacaggct tgtatttaag agataactgt gaggttacca
                                                                    3840
ttatgtgatg ttactataag gacttttaac attggtttaa caaaccatag aggcattgaa
                                                                    3900
gggtttttct tagatgccta gaaaaagcac actgggctgt tttacctttc ttttttaggt
                                                                    3960
caatcaagac tccaaaatag tgattcctaa cctttttgga gttgctctgc tactctgaat
                                                                    4020
atgttctata cagcataagg attgtcacct tctgtgtgtt gcaacagctt ctaagataat
                                                                    4080
tagggacaaa tgatgttaca aaaggaagag tactgctggt ctaagtgctg agttgtatgt
                                                                    4140
etttgcatag etccactetg etgetaaata tgcatgttet gaetgacace atettgatge
                                                                    4200
```

```
cagtactgga ttccagcatt cagcaggtgc agatctcggc tttacacaat ttatctttac
                                                                    4260
ctagggttca gtcagtaatt tctgcttttt agcagggcca gtgcagggtc agttaatgct
                                                                    4320
acaqttactg tatagcaaac agtateettt ttteteette eeetageeta ttgggetttg
                                                                    4380
cagatatctg gagtgtttta aagtcaatta ttttaagcag tttgagggga tgtgtaggag
                                                                    4440
tggagcatga aacagtttat aaggctgggg ctgtattatc agcacagcaa attaaagaat
                                                                    4500
gaaaqaaqta cttcttttta catttcaqct ccaqcaqcca qctatttaaa aaatattttt
                                                                    4560
aaatatette eccaaagttt aagatgtggg accatetaet tgtaagaaac agtggettat
                                                                    4620
ttcttcattt ctcaqtaatc attqtaaacc ttttttttt tcttctccac tctaacaaaa
                                                                    4680
gtaaaagaac aaaacttttg ctgaggtctt ggactccact acttgttagt tatgttggcc
                                                                    4740
tggacagatg gcaggtctgt cggcagttcc tcagtctgta aaatgaagat tatcattctt
                                                                    4800
gcctctccct ttgtcacagt gttgtcgtga agatcagata tgtatgaatg cagtcaaata
                                                                    4860
aactaaaaac taggaaagtg ttaactatcg ttgcccaccg aatttgaggt agcaaaaaaa
                                                                    4920
aaa
                                                                    4923
```

```
<210> 7034
     <211> 340
     <212> DNA
     <213> Homo sapiens
    <220>
     <221> misc feature
     <222> (207)...(295)
     <223> similar to gi180871 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 7034
cggaaattag aaaagattgt ttaacaataa tctggaaatg gccttgaatt atttttcct
                                                                       60
cattattttt ctcgattaac attctacaga atggtaagga atcgagacat tqctaaaaat
                                                                      120
cttaaatgac tgaaggtatc atagcatctt ctgtaaaaaa gaaaaaaact tcatattaat
                                                                      180
ttcgattcaa aattttggtc ataaaacaaa aagttgctct tqctttatac tttcaqqqtq
                                                                      240
aacctggtct cagaggtgaa attggtaacc ctggcataga tggtgctcgt gtgagtataa
                                                                      300
```

ttttgttagt atgtttcttc gtacttggat ttttttttag

```
<210> 7035
<211> 2054
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (459)...(911)

<223> similar to gi3874364 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

340

```
<400> 7035
                                                                     60
teegtgaatt gteagegege tgtgggegae tgtgtggeeg eggeggeege eaggettgee
gcactccccc tgaggtgccc gccggaacca atgtgccctg gtccactggg ccgtgagcag
                                                                    120
ccaccgactg ggggcaactt ggcacttaga accgcagcag ggacgtcggt ttgctatcgg
                                                                    180
gactcggcga ggacgatgga aatcctgtat gaatgtggaa gccattagca gagtaattgc
                                                                    240
tqtctqttac catqacaacc aqccqctqca qtcacctqcc cqaaqtcctq ccaqactqca
                                                                    300
ccagctcagc tgcacccgtg gtgaagacgg tggaggattg tggcagccta gtgaatgggc
                                                                    360
agccgcagta tgtcatgcaa gtttcagcca aggacgggca gctgctgtca acagtagtgc
                                                                    420
ggactettge cacceagage ceetteaatg aceggeegat gtgeaggate tgeeaegagg
                                                                    480
gcagcagcca agaggacttg ctctctccat gtgaatgtac agggaccttg gggacaattc
                                                                    540
ateggagetg cetggageae tggetgteat ceteaaaeae cagetaetgt gaaetetgee
                                                                    600
acttcaggtt tgcagtcgag cgcaaaccca ggccgttagt ggagtggctg agaaaccctq
                                                                    660
gccccagca tgagaagcgg actctgtttg gcgacatggt gtgcttcttg tttataactc
                                                                    720
ccctggccac catctcgggc tggctgtgcc tgcggggcgc cgtggaccac ctgcacttta
                                                                    780
gtagtcggct ggaagccgtc ggactgattg cactcactgt cgcactcttc actatttacc
                                                                    840
tcttttggac actagtgtca tttaggtacc actgtcgatt gtacaacgag tggcgtcgga
                                                                    900
ccaatcagag ggtgattctc ctcattccaa agtctgtcaa tgtaccttct aaccagccgt
                                                                    960
ccttgctggg cctccattcg gtcaagagga actcaaagga qacaqttqtt tqatqtttqt
                                                                   1020
atggttggtt ggttgtttga ttcattgttt ggggtttgga agtgtctgca ctggggtcat
                                                                   1080
gcactgageg acceccaage cetteettaa geetgtgggt etaagaacat eeagageata
                                                                   1140
ttagcacatc actccaagca acaacctccg ccagaagaaa gcaaatgctg ttttacttca
                                                                   1200
aatgatggat gctgcaatca tatgatattt gctaagctgc caaacatgtt tatttagcag
                                                                   1260
atactgtatg gaattttctg aacacctctt taacgtatga ggaaggttgt actgctacgg
                                                                   1320
1380
ttaaacttag atgataatca aaatcaaaaa gtcaacgtaa aaactggttt cttggtttgg
                                                                   1440
ttgggtctta tttgagttag tttgtttctc agtttctcgt atggattctt tggggtactt
                                                                   1500
tggtageetg agtggtettt tteatetett tegegteeat taeteaagga gacageataa
                                                                   1560
cagatgcaga acaagtcata tttgaagaat gttttgtact aaacttcatt taattattca
                                                                   1620
gtttttaaag ggaaaaaggg cgtgagctca cacagtgagc tgtttattta aatatcatta
                                                                   1680
aggagaaaaa aaaatatggt gagaagctcg ctccatttca acttgtttgg tactgacagc
                                                                   1740
tgatagaagc tattttctaa taataaacac tccaagtgtg tgaaagacaa aaccccctga
                                                                   1800
ttgcaatact cttttttaa tgataaaacc tgtgaagttt cccaaagcag gttttaaaag
                                                                   1860
gaaaaaaagg aaaagcaaaa aggttgctgt tctcactccc atctcattta qtqcatqtct
                                                                   1920
taattcggga ttagtaatga attggaggat cattagacat ttctaggaac cctagacctg
                                                                   1980
ttttgcatgt caattagcat tcccattgct ctattgaatt tctagcttga caggtagatg
                                                                   2040
tqqcaaaaaa aaaa
                                                                   2054
```

```
<210> 7036
<211> 1815
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (204)...(603)
<223> similar to gil64058 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7036

```
60
cgagagggag aggaggaaaa ctcagaggga agtggcgtgg cttcaacaga ctttcttttg
cctgtctttg tcccagagcc tcttccctgg ccctgctgag accactgctc taagaagaga
                                                                      120
ccaccagact gagagaggac teccagetge cetcagageg gaggeegagt getgeacage
                                                                      180
cacagetget etgaageest tecatgaate eeeggaagaa ggtggaeetg aaacteatta
                                                                      240
tegteggage cattggtgtg ggaaagacet cecteettea ceaatatgtg cacaagaegt
                                                                      300
tttatgagga ataccagacc acactggggg ccagcatcct ctccaagatt atcatattgg
                                                                      360
gtgacacaac tttgaagtta cagatctggg acacgggcgg tcaggagcgg gtccgctcca
                                                                      420
tggtgtccac gttctacaag ggctccgatg gctgcatcct agcttttgat gtcaccgacc
                                                                      480
tggagtettt tgaageeetg gatatetgge ggggtgatgt cetggeeaag attgteeeea
                                                                      540
tggagcagtc ctaccccatg gtgttgttgg ggaacaagat cgatctggca gaccggaagt
                                                                      600
accagageat ettagaaaat caceteacag aatecateaa getetegeea gaccagteaa
                                                                      660
ggagcagatg ctgctgacct ccagacgcct gctctggaag cccagaaaca gagcctgccc
                                                                      720
cgagcctggt cacccaggc ttgagaacag gtgaccatcc ccctccagcc ccactgcctg
                                                                      780
cccaagcaca gtgcaggggg cctaagctct gcggcagagc ccttqaccct qqtqctqqqc
                                                                      840
ccagagtcag agggcagccc ctggctcagg ctgagtatag tgagagcgtc tggatgaagc
                                                                      900
ccggaatgtc agagccaaac cctggtcctg cagaagtcac agtttccgca gtggcttcca
                                                                      960
getttececa eccattecae eceteaaaca etecegetee agaacacaca teteegeaga
                                                                     1020
ceggecactg attggagtet ggttacatec teetgtggac agacetteet caceeqetee
                                                                     1080
cacctcacac ccctcagcca caagcaaagc tttggacaat ggcacagctc agcctccttc
                                                                     1140
aacgagcaga ctaaggagta aaggtctgga ccccacatgc tgggcccgcc tcagctcctg
                                                                     1200
geagaagetg tegtgeetga gaccecetet geteeeteea gggtagaaga etgagggage
                                                                     1260
acaggagaag ccacaaggga ccatggctca ttcctccttg ctgggtgctc aggcaactca
                                                                    1320
cataaatctc tgagtctcaa tttgtttatc tgtcctgtgg gggtgagatg tgccttgccc
                                                                    1380
cctgtatcac agtgtggttt tgaggaccag aagctgtgct taaatccagt agctgttqtc
                                                                     1440
aatatgcatt tatttacttc tttgacaagt ttatttttgc gtatctacta tgtacgatgc
                                                                    1500
attgaagtcc agtgacaaac aaaacacagg gactctgccc tcctggagcc gacatctggt
                                                                    1560
gagggagaga cgcagactct agacagatat ttccaaatag caggtaagtg ctataaacaa
                                                                    1620
agggaaacag ggtaatggga tagagtgaca gggggtggga tgagttgcta ttttagatga
                                                                    1680
agtggtccag gagggcttcc ctgaggaggt ggcatttggt ctgagggcta gagaatqaqa
                                                                    1740
aagcagctgt cacctgagag ctggagaaag aacattccag ggagagggag catcaagacc
                                                                    1800
caaagccctg aggca
                                                                    1815
```

```
<210> 7037
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (320)...(210)
<223> similar to gi1072242 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<210> 7038
     <211> 733
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (381)...(152)
     <223> similar to gi5042294 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7038
ctggaagaga agatttgaaa agagactgga gagaagggtg ggagacggac agagccagct
                                                                    60
gtgccagccg agggaccaga gtgggcagtg gggacggagc acagaccacc gcccacaagg
                                                                   120
gteteteetg tgaettetgg etteeegagg geagaggetg ggatgggeat gtggeggetg
                                                                   180
gcacccagga ggctccgcca ggtccacgcc aagccagcct ggctcagctc tggcttcctg
                                                                   240
ctcacacget ggatgeetgt ceccaggeet cetgacaggg etetgeagea ttggagagge
                                                                   300
ttgtggtggg gccctcgctg tagaacaggc actgccagtg ctcactgact cctcattgca
                                                                   360
gccagggcag gggcgctccc accacctcgg tttcagtcag gaagctgggg ggtgctggga
                                                                   420
tetgecagea getetgtgtg etceceaggt gggetgeeeg gggeeetgge tetetggett
                                                                   480
ctacaccagt gcccctgcga agcctcagcg cccaaggtct ttgcaagccc tgttcctgca
                                                                   540
tetetggaga gggetgetee aggtgtggge etggeeaggg etteeagace agteeaggea
                                                                   600
ctgcacctgc acattgaccc ccttctccac tctctctcat ccttcagtag ccacaaagct
                                                                   660
720
gcacggcaga gtg
                                                                   733
    <210> 7039
    <211> 5276
     <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc feature
    <222> (4442)...(3348)
    <223> similar to gi4589630 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
    <400> 7039
ttttttttc tttctttgg tggtaaatag gtatttattt gaaatgaaaa aaaaattact
                                                                    60
taagtacctg gactattgca tttaatcatg tattgtaatt gtgttactct acctttttgc
                                                                   120
atcagagaca aatatacaat gaacattcag atatcacaga ctgcacacta gatagtaatt
                                                                   180
cttcaggtct tttacataac caccaagaaa cagatattgg tttctgcaat atagtataaa
                                                                   240
```

```
agtocacaat caatocagto ttagocagta tottoaattt acttotgttg otgtacaaat
                                                                      300
aattggccat tactagggct tacaagttaa taacaggaca aaaaatatac attgcactga
                                                                      360
cacaaaaagt cagctgtgtt aagagtcatg caacaagtaa ccaaacttgc tgaaattaaa
                                                                      420
aatactttct aaaaacagtt ttaacggcat aaatatttta tacacagttc atttaccaaa
                                                                      480
acaaaatgta tttaaatgat acaaagcaaa aataagtttc taccaacttt atacataaqa
                                                                      540
aagtgcaaaa taacttatct agagtgtttt gctattatcc agacggatgg ctgctatggg
                                                                      600
cagctattct cttcttcaaa agcatgacat tagagttgca cactacatag aaatgttaga
                                                                      660
atacatggat gaacaaatga acaggtggat ggatgaatga acaaactaca aagatcaggc
                                                                      720
aggageeeta tgaggtaete teagaaaaag aatgeagaee ataetaaggt agatgtaeat
                                                                      780
gttgacaata gatgttggta aataaattta catggaacac agaaagatat ccagagaaat
                                                                      840
aattagttta tgtatgtgag tgtacttgta tgtgtgagtg attctgttga tttctgcatt
                                                                      900
agaggcaaaa agaaaagaaa cccgattgaa caaaacagtt gcccacagca ccagctgcca
                                                                      960
gaggaaatac taccatgagg gttttggttt ccaccttcta gttatggaag ttctqttaga
                                                                     1020
aagttagtaa tggaagttgt gtcggaaagt ttaaaagtgt tcatcccata tagtttccta
                                                                     1080
ttacaaagag gaataacctt taagtaacta cacacacaca ttcatatatt caagtcttta
                                                                     1140
aagaacacct ctgccactgg gtatggggta aacatgattc atggacaaaa ggaggacgct
                                                                     1200
tettttaaaa agtgtagaat aacaetgeta caaateatet agagggeeag acaggggeaa
                                                                     1260
ggcccacagt tacataatag cacaatttct gcaactgttg aacatcagca ttatttatta
                                                                     1320
gaattgaaga tggtgatggg ggagggagag tgtgggggga gtaagacaca gaaaggaaaa
                                                                     1380
cagaacacaa cttttcttta aattaaagta ttaatgccga taatcctttt attaacaagt
                                                                     1440
atatttgaac ttttagaaat ggaagtgttt taatcaattt tgatatgtaa tcataaatag
                                                                     1500
actgtaggct caaacccagg taaataaaga tttaaattta gtaagcgtaa ggcactaaag
                                                                     1560
cagcetttet atttetett ggagacetag ttateatate aggaagaaca aatttgttet
                                                                     1620
taagctggtt tcagcccatc aggtacaaga tcaccattgt accaaatgcc tatttttgaa
                                                                     1680
tgcatgtgca tatatgtgca ttttagtgca taagtgtgcc tctcaccagg gcctaaagat
                                                                     1740
ggaaaattgg aaaagccaaa gccgctgtcc tttgcatgat gcctctgtga gggtgtgaag
                                                                     1800
gcctttcctt tcgcacctgt gaaggtgtga aggcctatct tgggccatta atgattctat
                                                                     1860
atttttcaaa tcacagggct tttagaattg ttcataatgt tatcactaag tttctgaaaa
                                                                     1920
tgttaaaatc tagattaatt gtttcatttt taatatatat tatatatata tatatatgta
                                                                     1980
cataacacac atttaaaaaa atcccaccac caagcctttt ctctgtaaac taatctctta
                                                                     2040
gccccttcca gctttaatcc ccctggattt gtgtgttctg tatccaacta gtagaacaaa
                                                                     2100
ttaaataact aaatattaaa atactgtaat tatattcata gcaaaaacaa aaaaatagac
                                                                     2160
attgatacag tataaatctc actgttttca ggtagatgac attaaatggt aaaggttaat
                                                                     2220
tttaagcagt tctgacatga ttcagtttta caacaaagtt tatatgttaa ttctgtacac
                                                                     2280
ttctttcttt cctttttta ccccttgttt gaaaataagc tatagtagaa cattagtgtc
                                                                     2340
accaaagaca catacttatt atgttctatg caagataagc taattttggg ttacatgcaa
                                                                     2400
atatatttcc attagttgag acagggctgt ttcctgcact acactggtca tctgaccacc
                                                                     2460
tttctgcaat gctaagaagg tattctttga ccaaacagca gtccacatac aagtttaaaa
                                                                     2520
ggggccctgt ttatgtagga acaacactga ggtggtgcgt agccaggtac aagacgccca
                                                                     2580
aatatttcca gtttatctta cggctggact cctattctcc cacactgttt cctaaagaag
                                                                     2640
gtccacatta ttttggttac tagcctagtt taagtggaga tactgtgggc aacttgaaag
                                                                     2700
aaatgacatc aggcacacag gctgagcttg aaaggaaaaa aagaccacag ataatgtctt
                                                                     2760
tggggattta aaaaaacata tttataatta attggtaagt tgagggatgt cagacaaacc
                                                                     2820
ataagtagtt cattgagtta gtggtttagt ttgaagtttc atgttacagg cagttaagtc
                                                                     2880
cttatttaga aaaaaaggcc tttttatatc ctatttacaa tatacatagt tacttgcaaa
                                                                     2940
gaagtcagat ttacaaccat tttctaaaag ccttttttgt tgttggtttt tccaaataag
                                                                     3000
gatgagtagc tcctttaaaa atgagatgca agaaaagaga gttaataagt gaggattttt
                                                                     3060
ctcttggaga cagctactgt catcacggga gaactggagg gtcgaaagtg ttgctcctag
                                                                     3120
gaaccacctc atattcttct tgtgctgttc acctgaatcg cgtctgcccc attcctgtac
                                                                     3180
tctacacccg ttttattcaa tgatcccttt gaattttaac acttcaaaca cgtggtatga
                                                                     3240
agagatgtgt aaacggagac tgttttcaat gccttccaag ctgggacagg agaatcggga
                                                                     3300
aggggtctac agaccatggt ctccactcag cttgttgaat cttcaacaat ttcgaggccc
                                                                     3360
atcttctgaa cctctctcat gctgtaagtt ataataacag ttctgacaaa cacgcaccgg
                                                                     3420
ggatgagatt ttcaagcgtt tgatttcaga ttgaaagcga ctgcacttct ggcagaagag
                                                                     3480
ctgaccacag ttcctgcaat ggtgtcgtct ttctgtgagt gaaaacctca ccgagcagcc
                                                                     3540
tgagcagctg tcaccacctt catccttcac ccagtgatca gcagcagaac ggcctggctg
                                                                     3600
gtcactcaca gaccagctga aaactcggcc tcgactgtca ccaacgagga tcctactgtg
                                                                     3660
```

```
atccttggag atgcccaagg cagtgacctc agctgggtgt gcattgtcct ttcgatcaaa
                                                                     3720
qqctqtqtqc ataqtcaqct tactcctqaa caccaqctqc cgttcccatc qqtacccaqq
                                                                     3780
tttcaatctg ctgtaattcc gcacctcaat gggattgggg tgggggtggc taagggggcc
                                                                     3840
                                                                     3900
ctgcagatgg gctctggtct ggccctctga atagttcaca aatatgaagc cgtctttctc
atctagactg agctggtcgg accagcgtct ggagtcgtca gagccactgt cagtacacca
                                                                     3960
ggeggetgtt gegeggeagg aggetgeeeg gggeetgtgg etggtgetge tgggttgget
                                                                     4020
tggagtgtcc ttagggtcct ggctgatgct ctgctcatct gcttctgaat cactgctgtc
                                                                     4080
ctegtettgg getteetgee etatttgtge ttetggaeag tetteetgea tttetaggae
                                                                     4140
ttcagcaggc tcaggagctg gtgtttcagg aacttgcaaa aattccattc tccaaaaccg
                                                                     4200
aaccactcca totgagtgto otgtoactat gaogttotgo gtgtoccatt ogttoatoto
                                                                     4260
cgacatgcag cagcagatga tetgetgget cetacetgtg aacgtgttga cactcacgat
                                                                     4320
agggttccca ttgatgctcc acacatggat atatgtgcca gcgcaggaca caatgtcccc
                                                                     4380
tgttaattca ttgatacaaa gagcagaaac tggagctcga tgccctcgaa gctgggttag
                                                                     4440
aaatgacagt ttgttcaaat cccaaatgat acaggttcga tcacgggacc cactgacaat
                                                                     4500
tatgtgatag gctaatgatg ctgtggcgca ggtgacggta tcagtgtggc ccagtaaggc
                                                                     4560
ctgtttgagg gtgacggtct tggccttttc tttggaggtg cccatctccc acacacac
                                                                     4620
aaccgtgett gttecacccg tgatgaccag cttggggttg gggcagattg cacagagaat
                                                                     4680
etggeeccae teagaeaage atteataaae agteatggee ttgtetgaet eataggttee
                                                                     4740
cagtctgcaa ctgaggtctg catagcccca agcaaaagtt ttattccagg ttggtgggat
                                                                     4800
aagaacetta ttetgtteea eegeaagaat aeetttatet gtacataega tttgteetae
                                                                     4860
aggttetttg agttetttta caggtgttag agaaggeete aagttgteta gatgatgaaa
                                                                     4920
aaagatettg teaettgtag ateetggtag gaeagagatt eetgeattgt eteeattgag
                                                                     4980
tegacttete actegetttg gtggatgagg ttttttaaat aactgtttag ggatetgace
                                                                     5040
gaagttatta atgaacccaa ttgtggctgt ctcctttagt gggtcattga tgttgtagat
                                                                     5100
atccacttga ccctcataaa aaagatgatg gaagacattt acagcttcta ctgcagcagg
                                                                     5160
gccttgctgt ttataaccga agattaagtc aatccactca tgtagatggg cactcacgta
                                                                     5220
atcacactec aaageeteae gatggaetet gatgaattet egtgggteee ettttg
                                                                     5276
```

```
<210> 7040
<211> 2553
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (39)...(1491)
<223> similar to gi484509 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7040
cccacgcgtc cggacccacg cgtccggttt cttggagctt ccacaaactt aaaaccatga
                                                                       60
aacatctatt attgctacta ttgtgtgttt ttctagttaa gtcccaaggt gtcaacgaca
                                                                      120
atgaggaggg tttcttcagt gcccgtggtc atcgacccct tgacaagaag agagaagagg
                                                                      180
ctcccagcct gaggcctgcc ccaccgccca tcagtggagg tggctatcgg gctcgtccag
                                                                      240
ccaaagcagc tgccactcaa aagaaagtag aaagaaaagc ccctgatgct ggaggctgtc
                                                                      300
ttcacgctga cccagacctg ggggtgttgt gtcctacagg atgtcagttg caagaggctt
                                                                      360
tgctacaaca ggaaaggcca atcagaaata gtgttgatga gttaaataac aatgtggaag
                                                                      420
ctgtttccca gacctcctct tcttcctttc agtacatgta tttgctgaaa gacctgtggc
                                                                      480
aaaagaggca gaagcaagta aaagataatg aaaatgtagt caatgagtac tcctcagaac
                                                                      540
tggaaaagca ccaattatat atagatgaga ctgtgaatag taatatccca actaaccttc
                                                                      600
```

```
gtgtgcttcg ttcaatcctg gaaaacctga gaagcaaaat acaaaagtta gaatctgatg
                                                                      660
totcagetca aatggaatat tgtegeaece catgeaetgt cagttgeaat atteetgtgg
                                                                      720
tgtctggcaa agaatgtgag gaaattatca ggaaaggagg tgaaacatct gaaatgtatc
                                                                      780
                                                                      840
tcattcaacc tgacagttct gtcaaaccgt atagagtata ctgtgacatg aatacagaaa
                                                                      900
atggaggatg gacagtgatt cagaaccgtc aagacggtag tgttgacttt ggcaggaaat
                                                                      960
gggatccata taaacaggga tttggaaatg ttgcaaccaa cacagatggg aagaattact
gtggcctacc aggtgaatat tggcttggaa atgataaaat tagccagctt accaggatgg
                                                                     1020
gacccacaga acttttgata gaaatggagg actggaaagg agacaaagta aaggctcact
                                                                     1080
atggaggatt cactgtacag aatgaagcca acaaatacca gatctcagtg aacaaataca
                                                                     1140
gaggaacagc cggtaatgcc ctcatggatg gagcatctca gctgatggga gaaaacagga
                                                                     1200
ccatgaccat tcacaacggc atgttcttca gcacgtatga cagagacaat gacggctggt
                                                                     1260
taacatcaga tcccagaaaa cagtgttcta aagaagacgg tggtggatgg tggtataata
                                                                     1320
gatgtcatgc agccaatcca aacggcagat actactgggg tggacagtac acctgggaca
                                                                     1380
tggcaaagca tggcacagat gatggtgtag tatggatgaa ttggaagggg tcatggtact
                                                                     1440
caatgaagaa gatgagtatg aagatcaggc ccttcttccc acagcaatag tccccaatac
                                                                     1500
gtagattttt gctcttctgt atgtgacaac atttttgtac attatgttat tggaattttc
                                                                     1560
tttcatacat tatattcctc taaaactctc aagcagacgt gagtgtgact ttttgaaaaa
                                                                     1620
agtataggat aaattacatt aaaatagcac atgattttct tttgttttct tcatttctct
                                                                     1680
tgctcaccaa gaagtaacaa aagtatagtt ttgacagagt tggtgttcat aatttcagtt
                                                                     1740
ctagttgatt gcgagaattt tcaaataagg aagaggggtc ttttatcctt gtcgtaggaa
                                                                     1800
aaccatgacg gaaaggaaaa actgatgttt aaaagtccac ttttaaaact atatttattt
                                                                     1860
atgtaggatc tgtcaaagaa aacttccaaa aagatttatt aattaaacca gactctgttg
                                                                     1920
caataaaaaa atatagtttt aaaagtggac ttttaaacat cagtttttcc tttccgtcat
                                                                     1980
ggttttccta cgacaaggat aaaagacccc tcttccttat ttgaaaattc tcgcaatcaa
                                                                     2040
ctagaactga aattatgaac accaactctg tcaaaactat acttttgtta cttcttggtg
                                                                     2100
agcaagagaa atgaagaaaa caaaagaaaa tcatgtgcta ttttaatgta atttatccta
                                                                     2160
tacttttttc aaaaagtcac actcacgtct gcttgagagt tttagaggaa tataatgtat
                                                                     2220
gaaagaaaat tccaataaca taatgtacaa aaatgttgtc acatacagaa gagcaaaaat
                                                                     2280
ctacgtattg gggactattg ctgtgggaag aagggcctga tcttcatact catcttcctc
                                                                     2340
attgagtace atgacecett ccaatteate catactacae cateatetgt gecatgettt
                                                                     2400
gccatgtccc aggtgtactg tccaccccag tagtatctgc cgtttggatt ggctgcatga
                                                                     2460
catctattat accaccatcc accaccgtct tctttagaac actgttttct gggatctgat
                                                                     2520
gttaaccagc ccacgcgtcc gcggacgcgt ggg
                                                                     2553
```

```
<210> 7041
<211> 822
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (317)...(773)
<223> similar to gi1754633 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7041
ttttttagt taaacaatca ttttattgct tgagtacaca gacaaattta tgcgaccagg 60
gcagaggctg tagatgattc atatttccaa ttgggaggga ggactcgctt ggtcttataa 120
tatcgagcca aacggtgaat ccggctctct attagaatca gacggaattt agcatcctta 180
tcctttctgt tcctctcaag atgctttcga acagcaactg ctttcttaat taaatggtag 240
```

```
agatetteag gaagateagg ageaagteee ttagaettaa gaattettaa aattttgttg
                                                                      300
cctgategec gccatcatgg gtegeatgea tgctcccggg aagggcctgt cccagtegge
                                                                      360
tttaccctat cgacgcagcg tccccacttg gttgaagttg acatctgacg acqtgaaqqa
                                                                      420
gcagatttac aaactggcca agaagggcct tactccttca cagatcggtg taatcctgag
                                                                      480
agattcacat ggtgttgcac aagtacgttt tgtgacaggc aataaaattt taagaattct
                                                                      540
taagtctaag ggacttgctc ctgatcttcc tgaagatctc taccatttaa ttaagaaagc
                                                                      600
agttgctgtt cgaaagcatc ttgagaggaa cagaaaggat aaggatgcta aattccgtct
                                                                      660
gattctaata gagagccgga ttcaccgttt ggctcgatat tataagacca agcgagtcct
                                                                      720
ccctcccaat tggaaatatg aatcatctac agcctctgcc ctggtcgcat aaatttgtct
                                                                      780
gtgtactcaa gcaataaaat gattgtttaa ctaaaaaaaa aa
                                                                      822
```

```
<210> 7042
<211> 1789
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (56)...(1206)
<223> similar to gi408944 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7042 gtcggaaagg gaaaacaact acggctgcgg tgtggttggt gqtqaqatqa cqaccttaqt 60 gctggataat ggagcttaca acgccaaaat cggttacagc catgaaaatg tgtcggttat 120 tectaattgt cagtteeggt caaaaacage aegtettaaa aettttaetg ceaaccagat 180 agatgaaata aaagaccctt ctggactctt ttacatcctc ccttttcaaa agggctactt 240 ggtgaattgg gatgttcaga gacaagtttg ggattacctt tttggaaaag aaatgtatca 300 ggttgatttt ttagatacta atattattat cactgaacca tactttaact tcacttcaat 360 tcaagaatca atgaatgaaa ttctatttga agaataccag tttcaagcag tattaagagt 420 aaatgetggg geteteagtg cacataggta tttccgagat aatcettccg aattatgetg 480 tatcattgtt gatagtggat attcctttac acatatagtt ccttattgta gaagtaaaaa 540 gaaaaaagaa gcaattattc ggataaatgt gggaggaaaa ctcttaacca atcatctaaa 600 ggagatcata tettacagge agetacatgt tatggatgaa acacatgtga ttaatcaagt 660 gaaagaagat gtatgctatg tgtctcagga tttttataga gacatggata ttgcaaagtt 720 gaaaggagaa gaaaatacag taatgataga ctatgtcttg cctgacttca gtacaattaa 780 aaagggcttt tgtaagccaa gggaagagat ggtgttgagt ggaaaataca aatctgggga 840 acaaattett egtttggeea atgagagatt tgetgtteeg gaaatactet ttaateette 900 tgatataggc attcaagaaa tgggaattcc agaagctatt gtctattcaa ttcaaaatct 960 acctgaagaa atgcagccgc attttttaa gaacattgtc ttgacaggag gaaattccct 1020 tttcccagga tttagggatc gggtttactc agaagttcga tgtcttactc caacagatta 1080 tgatgtttct gttgtgctgc ctgaaaaccc tattacttat gcctgggaag gtggaaaatt 1140 gatatcagag aatgatgatt ttgaagatat ggtggtaaca agagaagatt acgaagaaaa 1200 tggacatagc gtctgtgaag agaaatttga tatttaaggc aacatttttg gaatgaaagt 1260 tgtgaccata aggtttaatt tcaaagttcc ttttaaaaga ggttaaggga actgtgttac 1320 cttttgtcct aaggaaaaag ggcttgaatt tatgttaaat actttgatcc gattgctaat 1380 tttcaaaggc ttcttaggta ggttactaca gtaaactgta actcagtcca cattttcatt 1440 taggagetag actaccataa caatgettat getgttteca agggtaggtt attttteatt 1500 aaaagaagaa ctgaatgcct tttaaagttt aaattcttca tagcctgaaa gccacaaact 1560 ttaacggete teacetggae acgtttetee ttagaagget agttettgtg tgaetgtgae 1620

```
taaactattt totattttaa aactgtoatt ototattata tacattoota aagtotggaa 1680 acgaotgtat tottatoatg tgtatoaatg ttatattttg tacotagagt acatttaaaa 1740 gggtggagca otaagotaat aaagtttttt tggoooctaa aaaaaaaaa 1789
```

```
<210> 7043
<211> 1653
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (159)...(993)
<223> similar to gil62941 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7043 cccacgcgtg cgcccacgcg tccgcccacg cgtccggtcg gcttgtcagg tggtggagga 60 aaaggcgctc cgtcatgggg atccagacga gccccgtcct gctggcctcc ctgggggtgg 120 ggctggtcac tctgctcggc ctggctgtgg gctcctactt ggttcggagg tcccgccgqc 180 ctcaggtcac tctcctggac cccaatgaaa agtacctgct acgactgcta gacaaqacqa 240 ctgtgagcca caacaccaag aggttccgct ttgccctgcc caccgcccac cacactctgg 300 ggctgcctgt gggcaaacat atctacctct ccacccgaat tgatggcagc ctggtcatca 360 ggccatacac teetgteace agtgatgagg atcaaggeta tgtggatett gteateaagg 420 tctacctgaa gggtgtgcac cccaaatttc ctgagggagg gaagatgtct cagtacctgg 480 atagcctgaa ggttggggat gtggtggagt ttcgggggcc aagcgggttg ctcacttaca 540 ctggaaaagg gcattttaac attcagccca acaagaaatc tccaccagaa ccccgagtgg 600 cgaagaaact gggaatgatt gccggcggga caggaatcac cccaatgcta cagctgatcc 660 gggccatcct gaaagtccct gaagatccaa cccagtgctt tctgcttttt gccaaccaqa 720 cagaaaagga tatcatcttg cgggaggact tagaggaact gcaggcccgc tatcccaatc 780 getttaaget etggtteaet etggateate eeceaaaaga ttgggeetae ageaaggget 840 ttgtgactgc cgacatgatc cgggaacacc tgcccgctcc aggggatgat gtgctggtac 900 tgctttgtgg gccaccccca atggtgcagc tggcctgcca tcccaacttg gacaaactgg 960 getacteaca aaagatgega tteacetact gageateete eagetteeet ggtgetgtte 1020 gctgcagttg ttccccatca gtactcaagc actataagcc ttagattcct ttcctcagag 1080 tttcaggttt tttcagttac atctagagct gaaatctgga tagtacctgc aggaacaata 1140 ttcctgtagc catggaagag ggccaaggct cagtcactcc ttggatggcc tcctaaatct 1200 ccccgtggca acaggtccag gagaggccca tggagcagtc tcttccatgg agtaagaagg 1260 aagggagcat gtacgcttgg tccaagattg gctagttcct tgatagcatc ttactctcac 1320 cttctttgtg tctgtgatga aaggaacagt ctgtgcaatg ggttttactt aaacttcact 1380 gttcaaccta tgagcaaatc tgtatgtgtg agtataagtt gagcatagca tacttccaqa 1440 ggtggtctta tggagatggc aagaaaggag gaaatgattt cttcagatct caaaggagtc 1500 tgaaatatca tatttctgtg tgtgtctctc tcagcccctg cccaggctag agggaaacag 1560 ctactgataa tcgaaaactg ctgtttgtgg caggaacccc tggctgtgca aataaatggg 1620 gctgaggccc ctgtgtgatt ttgaaaaaaa aaa 1653

```
<211> 2154
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1828)...(4)
<223> similar to gi3540177 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7044
tcaagatgcc ttctcacctg tgtgaatgtt cttatggcga ttaagctggg tgggaagact
                                                                       60
aaaaacettt ecacatteet tacatteaaa gggtttetea ecaqtatqea atttetqatq
                                                                      120
tcgaataagt tgcatatgaa gtcgaaaggc tttcccacac tccttacatt caaagggttt
                                                                      180
ctcaccagta tgcaatttct gatgtcgaat aaggtgcata tgaagtcgaa aggctttccc
                                                                      240
acattcctta cattcaaagg gtttctttcc agtatgaata cttcgatgtt gattaagatt
                                                                      300
tgaaccacga cgaaagaatt tcccacattc cttacattca aatggttttt cacctgtgtg
                                                                      360
agttttctga tgttgggaaa gttgtaggta aagtctaaaa gccttcccac actccttaca
                                                                      420
ttcatagggc ttctcaccag tgtgaatact ctgatgttga acaaggcttg agccacgatt
                                                                      480
gaaggeette ccacagtett gacatteaaa tggettgtea ccagtatgaa ttegagaatg
                                                                      540
ttcaataagt tggcaatgat atctaaaggc catctcacat tccctacata caaaaggttt
                                                                      600
ctcattggaa tgaattttct gatgctgaat aaggtgtgca ccacgattaa agcctttccc
                                                                      660
acacteetta catteatatg gttttatace ageatgaata etetgatgtt gaacaaggtt
                                                                      720
tgagctacga ttaaaggact tcccacattc cttacattca aacggttttt cacctgtgtg
                                                                      780
aatgttetta tggegattaa getggttgag aagaetaaag geetteecae atteeetgea
                                                                      840
ttcaaagggt ttctcaccag tatgaatctt ctgatgtcga acaagctttg tcagaagagt
                                                                      900
aaacgccttt ccacattctt tacattcaaa gggtttctca ccagtatgaa tttggcaatg
                                                                      960
ttcaataagt tggtaatgat atcgaaaggc catcccacat tccttacata caaagggttt
                                                                     1020
ctcattggaa tgaattttt gatgctgaat aagatttgaa ccacgattaa aggctttccc
                                                                     1080
acactcctta cattgatatg gttttacacc agcatgaata ctttgatgct gagtaaggtt
                                                                     1140
tgagctacga ttaaaagact tcccacattc cttacattca aacagtttct taactgtgtg
                                                                     1200
aatgttctta tggcgattaa gctgggtggg aagattaaag gcttttccac attccttaca
                                                                     1260
ttcaaaagtt ttctcaccag tatgaaattt ctgatgtcga gtaagttgta tgtgaagttg
aaaggettte ccacattett tgeatttata gggtttetet ccagtatgaa taetetgatg
                                                                     1380
ctgaataaga tttgaaccac aactaaagta tttcccacat tccttacatt catacggttt
                                                                     1440
atgtgtattg caaataagag aagcatgagg agtatgagta ggcagttttt catagctgat
                                                                     1500
catcttttga ttgatatttc cttcttgata tccctgtagt ccctcaaatt gtctatattc
                                                                     1560
tgagtcattt ctaaaataaa aggcctcaat gccaagagtt gtacttattt gctttataac
                                                                     1620
ctgtttgggt aaatttactt cagaggtatc attttctgga gatactttct caggtccata
                                                                    1680
ttttaactcc aaatctggat accgtctgct tgtttctttc cttacaacca tccagggctc
                                                                    1740
tttctcttgc tctagtaacg taattacatc tggtttagaa atggaacttc ctgccagtga
                                                                    1800
gatcaggtgg ctgtagttct ccaacatcac atccctgtac aaggtcctct gatcaggctg
                                                                    1860
cagginates castistics gagagaagte aatgginate teestgaatg tractgates
                                                                    1920
atggaccatg ttgctagaat tacaaaactg gtcaatcttc ctcgggcttc tcccccttga
                                                                    1980
ctttaggtgt gcagcagtaa cgctctcatc ctcctccagg tccttctttt ggataaaaat
                                                                    2040
acgagectgg ggatecggea gatecegtet geacceeegg gtteetacte tgagegeete
                                                                    2100
cccctaggcc acccgcactg tcgggtcagt cagctggagc cccaatccgc agag
                                                                    2154
```

<210> 7045 <211> 1913

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1741)...(1469)
<223> similar to gi2062700 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 7045
tttttttttt ttggagaaaa ttataaactt tattgaaaga tatttcaaag gcctaagtaa
                                                                       60
atgaagaget gtaccatatt catgtattgg aagacaacat tgtaaagatg acatggttta
                                                                      120
ccagattaat ctataaattc aatacaaatc caatcaaaat ttcaatqctc ttqqqtttqt
                                                                      180
ttgatttata aattgttggt ctaattctag aagtaatatg gaggaacagt tggctaagaa
                                                                      240
tagccaagac actccaagga agaacaattt tgtggtgata ctggagacag aggtgaaatt
                                                                      300
ggttacaatt atgacaaaat gtggaggcat cttggttttt atcagacctt ttcctaaagt
                                                                      360
tgcagtaatc aggactgtac tgtactgcta caagattaga caaattgatg tcaqtcagaa
                                                                      420
tagaaaccat caaaagaccc acacacatac acaaaaattt aatttatgaa agaggcagtg
                                                                      480
ttacaaatca ctggggaaag gatgaacttt tcagtaaata gtgcagagac aaccacttcg
                                                                      540
aatatgaaaa atgttaagtt gaatttctaa ctcataattt tcacaaaaat cagttcagga
                                                                      600
cagactaaag acaaatgtga aaggcaaaac tataaaattt ccacaaggca gtaaagaata
                                                                      660
tatttatgac tttgggtagg aaaggatctc cccccaaacc aatttgtatt caqctttata
                                                                      720
tgatactttt taaaaacatt tactttcagc aggaaatagg caacaatcta taacatttta
                                                                      780
caatttccaa actcccctcc tccaaaagtc accgtaaaag ttaacaagat atgtcgttgc
                                                                      840
tgttttgaac aagaaagatt ttcagagagg gtggacactt cacatgaggc atgtatgagc
                                                                      900
ttttctcagg cccactttga catggaggga ctaaagtaaa accagcagga tgaatccaca
                                                                      960
aactgaaaac aggaatcttg gctcttttaa gtgacaccat ctcgatgtca tcaacagaaa
                                                                     1020
gcctgagttt tgttacctaa cacagctgat tttagggttg ccaaggccac atcaaaactc
                                                                     1080
tcggtttaag gaagtcaagt ctatgctgat ggcatcgggg aaagaggaga cacgaagttt
                                                                     1140
tggttcccca cactgtaagg cttccgtgcc aaagtggctg acacgtgaat gtcaqaqaat
                                                                     1200
ctctcctggg aatcaaggga atcaagaaca atcttcaaaa accaggacag aaaatcctat
                                                                     1260
tttcccttat ttcaattcag tttctgagat acaccctatt agtggtactt gccctttcca
                                                                     1320
caaaagacaa caaggaagtg tcctgtgtgc taacaacata acttaaaaaa gccaaaattc
                                                                     1380
tacactttta taaaaacttga tttaaaaaaaa tagtatttca aacagtagag tcactataag
tacagagete teaaaaatgt acattteact tggcateece agtgeettee getttetqqq
                                                                     1500
actggagtgt agaggcatct cggttttttg cagggttgtt cccatccttt ccagcatctg
                                                                     1560
ctttcccctt tctccctttg ggaagcttct ctcccttctt tgcagaggcc tttttaggcc
                                                                     1620
tgggctctgg ttttggagga gctggtttag cagacaaccg agctgatctc ctctgtggct
                                                                     1680
catcetteac ettigettia teacettiag catceetti tgeettiete tigggeatgg
                                                                     1740
tagcagcagt gttcgcaggt ggcttgagca gtcctgttgg gtgcttctgt cctcctcacg
                                                                     1800
etgtteetgg aaagatgtee gagtetegtg geegteegag gggegeggga ateceagetg
                                                                     1860
aggcccgtga cgcgccggag ccctaggcgt gggcagggcc agcaccagcc cta
                                                                     1913
```

```
<210> 7046
<211> 4483
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
```

<400> 7046 cgaggtatat aatctaccat agttggtact ttatataggc ctcgqqtacc tatttqaqqc 60 gttctatgat catacccatc ctcgagacct ataaatggtt attaggtgaa tgttacccag 120 gttctcctca gttcataagc aattctttct ttactgatta ttatttatct ttgtttatta 180 actitaccca cagtigctta cattigtage aggetgaact gtaatetite ctqactqate 240 ttttccagag cctggcccaa ctagagaatc tgtgcaaaca gctgtatgaa accacagaca 300 caaccacteg actecaggea gagaaageet tggttgaatt taccaacage cetgattgee 360 tgagcaagtg ccagctactc ctcgaaagag gaagttcctc ttactcccag ttactggcag 420 ctacatgcct taccaagctt gtatcacgca caaacaaccc cctaccattg gaacagcgaa 480 tagatatteg gaactatgtg etcaactace ttgecacteg geegaagttg getaettteg 540 tgacacaagc acttattcag ttatatgcca gaatcacaaa actgggctgg tttgactgtc 600 agaaggatga ctatgtcttc agaaatgcaa tcacagacgt cacaaggttt ttacaggata 660 gtgttgaata ctgcatcatt ggtgtcacaa ttttatctca gctaaccaat gaaattaatc 720 aagtaagtgc tacagccttc ctcattgaag cagacaccac ccatccttta accaagcaca 780 gaaaaatagc ctcttcttt cgcgattcat cattatttga tatcttcaca ctttcctgca 840 atttactaaa acaggcttca ggaaagaatc taaacttgaa tgatgaaagt cagcatggct 900 tgctcatgca actgctcaag ctcactcata actgcctcaa ctttgacttc atcgcactt 960 ccactgatga gtcctcagac gacctgtgta cagtgcagat tcccaccagc tggagatcag 1020 ccttcttaga ttcttcaacc ttgcagctgt ccaccattgg gcgttgtgaa tatgagaaga 1080 cgtgtgcact cctcgtgcag ttgtttgacc agtcggccca gtcgtaccag gagctgctac 1140 agagcgccag cgcaagccca atggacattg cagtgcagga gggaaggctg acatggctgg 1200 tttacattat tggagcagtg atcggtggcc gggtttcttt tgccagcact gatgagcaag 1260 acgccatgga tggtgagctt gtctgtcggg tgctccagct gatgaaccta acagattctc 1320 gtttggccca ggcgggtaat gagaagctag agttggccat gctgagcttt tttgaacagt 1380 ttcgtaagat ctacattggg gaccaagtgc agaaatcctc taagctgtac cgccgactct 1440 cagaagttct gggcttgaat gatgagacca tggtcctaag cgtcttcata ggaaaaatca 1500 tcaccaactt gaagtactgg ggccgttgtg aaccaatcac ctccaagaca ctacagcttc 1560 tcaatgacct gtccattggg tacagtagcg taaggaagct agtgaagctt agtgcggtac 1620 agttcatgct gaacaatcac acgagcgagc acttttcatt tttgggtatt aacaatcagt 1680 ccaacctgac agacatgcgg tgtcggacta ccttctacac agcacttggg cgtctcctca 1740 tggtggattt aggagaggat gaagatcagt atgagcagtt catgctgcca ctcacagcag 1800 catttgaggc tgtggcccag atgtttagca ccaatagttt caacgagcag gaggcaaagc 1860 gaactctagt tggcctagta agagacctga gagggatcgc tttcgctttc aatgccaaga 1920 ccagcttcat gatgctcttt gaatggatat atccatccta tatgccaatt ctccaacggg 1980 caattgaget etggtaceat gatecageet gtactacace tgtactcaag ttgatggetg 2040 aattggttca taataggtcc cagcgactcc agtttgatgt ctcttccccc aatggcatct 2100 tactcttccg agaaaccagc aagatgataa caatgtatgg caatcgcatc ctgacactag 2160 gagaggtece aaaggateag gtetatgete tgaageteaa gggeatetee atetgettet 2220 ccatgctgaa ggctgctctc agtgggagtt acgtcaattt cggagtcttt cgtctctatg 2280 gagacgatgc cctggacaat gctctgcaga ccttcatcaa gctqctcctc tctattcctc 2340 acagtgatet ettggattac eccaagetea gecagtetta ttatteacta etggaagtee 2400 tgacccagga ccatatgaac tttattgcaa gcctggaacc tcacgtcatc atgtatattc 2460 tctcttccat ttctgaagga cttactgcac ttgacaccat ggtatgcaca ggctgctgct 2520 cctgcctgga ccacattgtg acatacctct tcaagcagct gtcacgtagc accaagaaga 2580 ggaccacacc cctgaaccag gagagcgacc gctttctgca catcatgcag cagcatccag 2640 agatgateca geagatgetg tecaeggtge tgaacateat catetttgaa gaetgtagga 2700 accagtggtc tatgtcccga ccactacttg gcttgatatt gcttaatgaa aagtattttt 2760 ctgacctaag aaacagtatt gtgaacagcc agccaccgga gaagcagcag gccatgcacc 2820 tgtgttttga gaacctgatg gaaggcatcg agcgaaatct tcttacgaaa aacagagaca 2880 ggttcaccca gaacctgtca gcattccgtc gagaagtcaa cgactcaatg aagaattcca 2940

```
3000
cttatggcgt gaatagcaat gacatgatga gctgacacct ccttggactc tacctgtaca
                                                                     3060
gagcagcgtc cctttggttt ggcccagagg ggcgaacaat tgcaagggag agggcctggc
tgatcctggc tcttttctcc aggggtgtgg ggaaaatggc aaaggtcaac tagctgcttc
                                                                     3120
cccagggaat aggggtgtga gtacactcac tagggggcag ggcgctgctg gttcctgggg
                                                                     3180
gactgggtgg gaagggtggt gggaggagat aagagataca aactgagact ccagcctctc
                                                                     3240
ctcctggggc ccaccccaag tggggagaac ccctagtgtc ctgcccaacc tgccttgtat
                                                                     3300
aaacatgtac attttttcat aacattttga acaaggttta tattgactca agtttaaaaa
                                                                     3360
caaaaagtgt gactgaaaaa tttttacaga gtctagtgca ccaatgctga tgtgaggggt
                                                                     3420
tgtgtatgcg agtgaagaaa atgtgtattc tggtggcctg aagctttact ggacaaggat
                                                                     3480
gtgtgagagt gcagagatat atttagtgac acagtagaga ggcaaaaaaa aagctaaaat
                                                                     3540
tccaaatgta tattttttcg tattgccctg tcctcaccca gaaatgatca attcctgtta
                                                                     3600
ctgtattaac ccttgttatt aggaactcta agccatgcca gaacaccgtc cctccccttg
                                                                     3660
gaccgtatag attetgeeet gggteeetag ceeettgeag tgataaataa eteeagetaa
                                                                     3720
aagtgtttgg gtgttcttat ctccaccctc tttcctactt tgcttaccct catcctcaga
                                                                     3780
cagatgeete ttgettttaa aagttggatt taacgacgtg ttgtagggtt cttggtetgt
                                                                     3840
gtgaaggcag agaccagaga gaaggaagtg agcccactgc tctcctggga gcaatgtggg
                                                                     3900
tgagtccacc agaggccctg ctgtgtgtgg ccaataaatt ttagtcttcc ccagccctcg
                                                                     3960
aggcagtgtg tgtggatgta tgcgtgtgga tatttatata tgtaccctgc actcatqaat
                                                                     4020
gtatgaactg gaggaagtta ctacagtgga agggttctta ataacaaggt ctacctagca
                                                                     4080
tgaagtattt aacattetee catecettaa aaaatataca tttttataaa atgaaaacca
                                                                     4140
taataaatgt tttgaatatt aaaaaaaata ataacctaca gaggaaaatt aatggagaca
                                                                     4200
getatttgcc ttgtactttt tccacaattg ttgctgctag ttgtacacat ctctagttca
                                                                     4260
getettgece aegggaeact cateaattag gttttatttt tatttette etetaceeee
                                                                     4320
agaaacaagc ctgttaattt tttttccttc tcctctggcg actgtgtgat gaatcctttc
                                                                     4380
ttgcgtgatc aggttgcgga tagacttgta agggtgtttg ctgcatacag tgtaagcatt
                                                                     4440
gtgaccgcca ataaacttca atggtttcta ctgaaaaaaa aaa
                                                                     4483
```

```
<210> 7047
<211> 1682
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)...(1030)
<223> similar to gi4680691 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7047
ggcccgctcc aacatcagaa tggtaacagc tttcaggagc ctaccagccg gcagctccgg
                                                                       60
agetgeeege gecatgteeg egeacaateg gggeacegag etegacetta getggatete
                                                                      120
caaaatacaa gtgaatcacc cggcagttct gaggcgtgcg gaacaaatcc aggctcgcag
                                                                      180
aaccgtgaaa aaggagtggc aggctgcttg gctcctgaaa gctgttacct ttatagatct
                                                                      240
tactacactt tcaggtgatg atacatcttc caacattcaa aggctctgtt ataaagccaa
                                                                      300
atacccaatc cgggaagatc tcttaaaagc tttaaatatg catgataaag gcattactac
                                                                      360
agccgccgtt tgtgtttatc ccgcccgggt gtgtgatgct gtaaaagcac tcaaggctgc
                                                                      420
aggctgtaat atccctgtgg catcagtggc cgctggattt ccagctggac agactcattt
                                                                      480
gaagacacga ttagaagaga tcagattggc tgtggaagat ggagctacag aaatcgacgt
                                                                      540
ggtaattaac agaagcttgg tgctgacagg ccagtgggaa gccctgtatg atgagattcg
                                                                      600
tcagtttcgc aaggcctgtg gggaggctca tcttaaaact atattagcga caggagaact
                                                                      660
```

```
720
tggaactett actaatgtet ataaageeag tatgatagea atgatggeag gateagattt
tattaagacc tctactggaa aagaaacagt aaatgccacc ttcccqqtag ctatagtaat
                                                                      780
gctgcgqqcc attagagatt tcttctqqaa aactgqaaac aaqataqqqt ttaaaccaqc
                                                                      840
aggaggcate egeagtgcaa aggatteeet tgettggete tetettgtaa aggaggaget
                                                                      900
tggagatgag tggctgaagc cagaactctt tcgaataggt gccagtactc tgctctcgga
                                                                      960
cattgagagg cagatttacc atcatgtgac tggaagatat gcagcttatc atqatcttcc
                                                                     1020
aatgtcttaa atcagtcacc agttccagaa aagttcttta cgacaatgtt taaaaattat
                                                                     1080
ttttctacgt aattgctaaa attatttaat taaaaaattg ggcagtaggt aactggcatt
                                                                     1140
cctctcttta aaatttctac cgaacttaat ggaatggaaa aagcaaactc atccacatgt
                                                                     1200
ggtactcatt tcaggcacat ctgaaatgat cttaattact agaagatctg cactattaac
                                                                     1260
tttgtgaaga gtttctccta aaaactttaa gtaaaatgtt aatggtagct ttgataacat
                                                                     1320
caaattctaa gggagaaaaa aacaatatta aaccgcccca agcagtgtgc cctagcagag
                                                                     1380
ggaaaatgca acatctcgca agcgctgctg taacggactt cagggagtca ctgattcagg
                                                                     1440
cactaatttc cctgctgtgg aaaactcatc ttttcatttt tggcccgtgg gatagggcgc
                                                                     1500
ttttattaat tgttggtccc taatgaaatt tctggacatt gtcatataca acqatqaata
                                                                     1560
tcattaaaat ttttaaaata ataaagttcc tatagtttat ttttttaaaa aaacttaaaa
                                                                     1620
attgttacaa tacataatga aaaaataatc cattaaacat aaaaagaggt ttgatcaaaa
                                                                     1680
                                                                     1682
```

```
<210> 7048
<211> 1139
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (825)...(94)
<223> similar to gi233042 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7048
ttttttttt ttgtgtcttt gtacaaaatt ttattaaagg tctttagaga gcaacatcca
                                                                       60
gactccagaa tacagctgcc aaggagaccc tgttatgctg tggggactgg ctqqqqcatq
                                                                      120
gcaggcggct ctggcttccc accettctgt tctgagatgg gggtggtggg cagtatctca
                                                                      180
tetttgggtt ccacaatget cacgtggtca ggcagggget tettagggee aatettacca
                                                                      240
gttgggtccc agggcagcat gatcttcacc ttgatgccca gcacaccctg tctgagcaac
                                                                      300
acgtggcgca cagcagtgtc aacgtagtag ttaacagggt ctccgctgtg gatcatcagg
                                                                      360
ccatccacaa acttcatgga tttagccctc tgtcctcgga gtttcccaga caccacacc
                                                                      420
tegeageett tggeeceaet etecatgatg aacegeagea caccatagea ggeecteege
                                                                      480
acagcaagcc ctcctaggag tttgtaacgc agagactctg cctgggcaat ggcacacaga
                                                                      540
cctctagtgg ccaccttttc agcataaagc tctacactgc cctctggaaa gccaaacctc
                                                                      600
ttctgaacta cagcagtcag ttcccgaatc cgccggccct tctcaccaag aacattctgt
                                                                      660
gttctggtgg ctaagataat gatttctgtc ctggttggtg taactcgcac ctcaactcca
                                                                      720
gagtagccat cttcagccag ctcccgagta agaaactcat tcagttcagc tttgaagatg
                                                                      780
ccatcagcga caaacttcct cttcttggat atttgcactg ccatcttgcc aattgctcga
                                                                      840
attttgtttc ttatgatttc tttccgggct gcagctgaac ctacatcaaa ctggtcttca
                                                                      900
ccttcagtca ttagttcatc atcagagcaa atactcagaa catttaccaa catttctgtc
                                                                      960
actttttctc caacaaacgg taaagaccac gtgaagacat ccataaaatt aggcaaccag
                                                                     1020
taaggatgtg gagaacagtt aacctgtcga atattcatca cattattttc atacaaaaat
                                                                     1080
acagcagett tattatgtag acatetaagt aagagegete gtgteaeget aggegagat
                                                                     1139
```

```
<210> 7049
<211> 1637
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1385)...(957)
<223> similar to gi511450 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7049 ttcttaatta tcaactttca aaaaaccctg aaacttggat gatagatatt atggtacaat 60 atatttgcta ggggaaaaac tgtctatagt agcaccatct tcttcctttg aatgggaaaa 120 gtttgaccaa gaagcaacat aaagtattag cagcaaaata ctgttgaacc agctatcatc 180 cccaagactc ccactataaa catgttagca acagtgatac acactgcctt acagcaattt 240 ttggctgtaa aaatctagcc aattcagttt tttgatattt ggtttttaat agtcttgttc 300 aagtaagaaa ctagctgcta gtttctgttc tgaaaagaca tggaagattc attagaggca 360 cacaattgct taatgtgaga cttactgaaa aacaaaagtc acattacccc ctagcttaag 420 gcttcatttc ctaaaaagct gacgtgattt atttttagaa ccacctgtca agtcagtctt 480 ggaaggtgat tetgatttga agtattetaa etgatgttag acettaaaaa eteaagaeea 540 tettgagtat taactacett taattaatea tattttatag aageteaaaa cacceaaata 600 tttatccttt atatgaataa acaaaagccc tatgaattac aatatgcaga acactatata 660 aaagaattcc cataaaaatt acattggaat atttttcatc agtggagcaa ctgctgtagc 720 ttcctctgaa tgggacagca tctgcctgaa tgcacgttct tctttgtgat aatctaaact 780 tagtgtaagt acaaatcaca gaagaaatta aagttttcat ctttaatgaa atgactttgg 840 aaataacgta cattcccatg acaccaatac tacagttttc ggagtcacag taagatacac 900 agaattacat ccgtaattaa tatgaatgcc aacatgtcaa gcagtaattt gttacatggc 960 aaacaaaatc aagaaagcaa ccatcaaaca aaagagaccc atagcttcag acaaggcaaa 1020 teccaggata geatatgaga acagetgetg etteagegaa gggtttetqq cataaccaat 1080 gataaggetg ccaaagactg ttccaatacc agcaccagaa ccagccactc ctactgttgc 1140 agcacctgca ccaataaatt tggcagcagt atcaatgtct ctgctgattg cactggtctg 1200 aaactccctt tggattagct gagacacacc attctgggcc ccattaaata ccgtagagcc 1260 ctctccagtc ctactagcct ctggtcgaga taacactgat gcagaaattg gtctgtatgc 1320 aactctggat ccagctcgga tcagagaggg ggtgcaggcg agcttggcgc aggcgaacat 1380 ettacaetet tegggaetge geggetggag atattgggtg acaggagaeg tgggeteete 1440 tecegettee tetetgegga ggaaaagagg ettaaggtea agtgeeetee aggggeetgt 1500 tetteceace caggeteege aggeteeegt geacgeegte agettgggee cegtgeecag 1560 tgaggcgccg gcacaatgaa tgggtcccta ctgggcgccg ctccgccctg gccaggccgg 1620 gctccctgtg ccctcca 1637

```
<210> 7050
<211> 736
<212> DNA
<213> Homo sapiens
```

```
<221> misc feature
     <222> (713)...(235)
     <223> similar to gi37543 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7050
ttttttttt ttaactgaaa gagttgacaa ttttattttc acatttccca atacaaagga
                                                                       60
aaactgcatc ttttttgtcc cacttctccc ctccaaaact attctctttc ataggacagg
                                                                      120
ggagcaagtc ttccttatgc tgtttagaaa actcagtatc acagcagcat gatctcctgg
                                                                      180
tgaagcagaa caggtaatat aaaaccgata caataaggcc tcccctctat ccttatctgt
                                                                      240
ctggtcgagt cattccgggc cgagtgggca ccatcatggg acgggcagga ggtctcatca
                                                                      300
ttgggggccc aggcatcatt ggcatatggc ctcccatggg cggcctcatt ccaggagcag
                                                                      360
gtcccactgg catcatccca ggaggaggag ggcccatcat tggcatcatg ggagggccc
                                                                      420
ccatatgggg tgctggcatc ataccagggc gaggaggacc cggaaggctg gggggaggtg
                                                                      480
gtatcatcgc ccctgcagga ggaggagcag agaatggagt aggaggtatc tttccttgtt
                                                                      540
gaaatgcagc cgttgttttg tcaatcaggc tctgagcctg ctcttccatc catttctgat
                                                                      600
aatagtettt cacattetet ttgtgtttee ttecactgca gtgtgtettt etcacagatg
                                                                      660
gagagtcatg ggtgaggtat gtatcgcagt agtcacaata aaacttgggc atgttgctct
                                                                      720
gcaggccgtt ggccac
                                                                      736
     <210> 7051
     <211> 1535
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (1429)...(623)
     <223> similar to gi5102582 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7051
ttttttttt ttatgttttc aggtttttta atgactgaca aaatattcct aaatcaacct
                                                                       60
tttataaaaa aaaaaaaata aatatgtttc atctgaattc acaaagacaa accctgctgc
                                                                      120
aaatactaag tacaaattat tetggaetgg gacatggcaa atetgattta gtacaaatte
                                                                      180
agtttttaaa aggaccetet ttecaaatag tgttettatg taacatttaa tttttatgee
                                                                      240
tattatttca atgacacacc tagtttttgc ttttctaagc actgttccct acatttttaa
                                                                      300
agcatatttt atttcagagt gcaacagaaa ctagcttgtg gcctattaag ctactaggaa
                                                                      360
gagcatcgtt tatgccactg tatgccttct taggccattt atcatttctc tacacttgat
                                                                      420
tgctcactgg ctattcaaaa ttggaatgtg atacagcagt tctgtctgaa cgtgtaccaa
                                                                      480
cctgaaactc acatggctaa acaattatgg ctaaactatt tttgttacca attttaaata
                                                                      540
ttgttaaaga attctcaaag gagtaaggtt aatgagcaag attaaaatgg cagcagcaga
                                                                      600
tccaattgcg ttttctttt cataagccta aaagcatcgc ggtgtgtttc agagctgctt
                                                                      660
cctctacaaa ttctgcatcc acattgtcat gtccttcaaa aggatacagg gcttgattgg
                                                                      720
aggactetat atetgteaga attteaatga agtagtteag aggeagaaat tetacaetga
                                                                      780
```

<220>

```
acgatgactt gttaatcata gaatteegag getgtttett atagttetga ageagtegeg
                                                                     840
tcacgtggtt ccgcgaaatg atgttagaac tcataggatg atcccaaagt ctacaaatct
                                                                     900
tctgcccaat aagcggagga agccgcacaa tgatactgaa tttcaqtttt tcatttttct
                                                                     960
ctgtattatc cagatetttc atgageetta tgacagetgt ttcagtgaga agcaacactc
                                                                    1020
cactgtcaat gcaatgcagc aggttatgca aagggagaca ctggaccccg aggatggtgt
                                                                    1080
gcagagtatg aaaaccagga ggcagaggta aaaacaaact gtttgtagct tccagaatcc
                                                                    1140
tggtcatgat gtgaaaaact gcaaattcag cagcactgcc acgactattg aagtggagaa
                                                                    1200
cccaggaatg aagattatgt ttcctccaat tggtttctac gatgtggcaa atgagatcca
                                                                    1260
gcagttttga aatgtagtcc agaaccatct gttcaatttt cttctttct acaccctgta
                                                                    1320
ggtgtctcaa aaaatggtct tttagctcag acaccatcag ccccatgagc agccgctggt
                                                                    1380
ggctgtcttc ctcctgcagg aggggtgtta atcttggccc caaatttctt gcttctaggt
                                                                    1440
tagaaatcac ctgttctgca ttatcaagaa tattcctcac gtaagccgca gaccttcttt
                                                                    1500
ttcctgtttt ctaggagtga gcggacgcgt gcgtc
                                                                    1535
```

```
<210> 7052
<211> 1011
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1012)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (210)...(717)
<223> similar to gi2282040 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7052 gtgcaagaat taaaaatacc gagacagccc taggtggaaa acttccggaa ggcccaagcg 60 ttcgtaaggg ctctctaccc cgctcggagc atagatggta ccgtccggaa gtccgggcgg 120 agaccgtagc tgcgcttctc gcgaaagggc aggcatcgcg gggctggcca cttccgtact 180 tecgetttee ggeecageea gegeeegega tgaetgeeae teteegeece tacetgagtg 240 ccgtgcgggc cacattgcag gctgccctct gcctggagaa cttctcctcc caggttgtgg 300 aacgacacaa caagccggaa gtggaagtca ggagtagcaa agagctcctg ttacaacctg 360 tgaccatcag caggaatgag aaggaaaagg ttctgattga gggctccatc aactctgtcc 420 gggtcagcat tgctgtgaaa caggctgatg agatcgagaa gattttgtqc cacaaqttca 480 tgcgcttcat gatgatgcga gcagagaact tctttatcct tcgaaggaag cctgtggagg 540 ggtatgatat cagctttctg atcaccaact tccacacaga gcagatgtac aaacacaagt 600 tggtggactt tgtgatccac ttcatggagg agattgacaa ggagatcagt gagatgaagc 660 tgtcagtcaa tgcccgtgcc cgcattgtgg ctgaagagtt ccttaagaat ttttaaacca 720 tctggctgga tctcgtggcc ttccccctca gactacccat gtctccacga aggcgtcctg 780 gagtcactcc ccgagcagcg cggcggcggc agggagttgg gttggggtgg gcatttgatg 840 cgggaggtgg gtggtgtgct tgctagctgg gcaagaaagc agcagtggac ctgcccaag 900 gccacacgtg cctggtcagg ctggcttctg atgttcagtc ccctggggcc nggacagatt 960 tttttttaac gtcttgaaac ttaaactctg tgcttgtagg atactgtaaa a 1011

```
<210> 7053
     <211> 984
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (1)...(985)
     <223> n = a,t,c or g
     <220>
     <221> misc feature
     <222> (124)...(451)
     <223> similar to gi5106998 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7053
gtcgtgaggc gggccttcgg gctgngctcg ccgtcggctg ccggggggtt ggcctgggtg
                                                                       60
tcattggctc tgggaagcgg cagcagaggc agggaccact cggggtctgg tgtcggcaca
                                                                      120
gccatggcgg gcgcgttggt gcggaaagcg gcggactatg tccgaagcaa ggatttccgg
                                                                      180
gactacetea tgagtacgea ettetgggge ceagtageea actggggtet teceattget
                                                                      240
gccatcaatg atatgaaaaa gtctccagag attatcagtg ggcggatgac atttgccctc
                                                                      300
tgttgctatt ctttgacatt catgagattt gcctacaagg tacagcctcg gaactggctt
                                                                      360
ctgtttgcat gccacgcaac aaatgaagta gcccagctca tccagggagg gcggcttatc
                                                                      420
aaacacgaga tgactaaaac ggcatctgca taacaatgga aaaggaagaa caaggtcttg
                                                                      480
aagggacagc attgccagct gctgctgagt cacagatttc attataaata gcctccctaa
                                                                      540
ggaaaataca ctgaatgcta tttttactaa ccattctatt tttatagaaa tagctgagag
                                                                      600
tttctaaacc aactctctgc tgccttacaa gtattaaata ttttacttct ttccataaag
                                                                      660
agtageteaa aatatgeaat taatttaata etttetgatg atggttttat etgeagtaat
                                                                      720
atgtatatca tctattagaa tttacttaat gaaaaactga agagaacaaa atttgtaacc
                                                                      780
actagcactt aagtactcct gattcttaac attgtcttta atgaccacaa gacaaccaac
                                                                      840
agctggccac gtacttaaaa ttttgtcccc actgtttaaa aatgttacct gtgtatttcc
                                                                      900
atgcagtgta tatattgaga tgctgtaact taatggcaat aaatgattta aatatttgtt
                                                                      960
aaatgagtat gattaaaaaa aaaa
                                                                      984
     <210> 7054
     <211> 3612
     <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc_feature
    <222> (176)...(2654)
    <223> similar to gi33834 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 7054 ggcgaatgga gcaggggcgc gcagataatt aaagatttac acacagctgg aagaaatcat 60 agagaagccg ggcgtggtgg ctcatgccta taatcccagc acttttggag gctgaggcgg 120 180 geagateact tgagateagg agttegagae eageetggtg cettggeate teceaatggg 240 gtggctttgc tctgggctcc tgttccctgt gagctgcctg gtcctgctgc aggtggcaag 300 ctctgggaac atgaaggtct tgcaggagcc cacctgcgtc tccgactaca tgagcatctc 360 tacttgcgag tggaagatga atggtcccac caattgcagc accgagctcc gcctgttgta ccagctggtt tttctgctct ccgaagccca cacgtgtgtc cctgagaaca acggaggcgc 420 ggggtgcgtg tgccacctgc tcatggatga cgtggtcagt gcggataact atacactgga 480 cctgtgggct gggcagcagc tgctgtggaa gggctccttc aagcccagcg agcatgtgaa 540 acccagggcc ccaggaaacc tgacagttca caccaatgtc tccgacactc tgctgctgac 600 ctggagcaac ccgtatcccc ctgacaatta cctgtataat catctcacct atgcagtcaa 660 catttggagt gaaaacgacc cggcagattt cagaatctat aacgtgacct acctagaacc 720 ctccctccgc atcgcagcca gcaccctgaa gtctgggatt tcctacaggg cacgggtgag 780 ggcctgggct cagtgctata acaccacctg gagtgagtgg agccccagca ccaagtggca 840 caactectac agggageest tegageagea ceteetgetg ggegteageg ttteetgeat 900 tgtcatcctg gccgtctgcc tgttgtgcta tgtcagcatc accaagatta agaaagaatg 960 gtgggatcag attcccaacc cagcccgcag ccgcctcgtg gctataataa tccaggatgc 1020 tcaggggtca cagtgggaga agcggtcccg aggccaggaa ccagccaagt gcccacactg 1080 gaagaattgt cttaccaagc tcttgccctg ttttctggag cacaacatga aaagggatga 1140 agatecteae aaggetgeea aagagatgee ttteeaggge tetggaaaat cageatggtg 1200 cccagtggag atcagcaaga cagtcctctg gccagagagc atcagcgtgg tgcgatgtgt 1260 ggagttgttt gaggccccgg tggagtgtga ggaggaggag gaggtagagg aagaaaaagg 1320 gagettetgt geategeetg agageageag ggatgaette caggagggaa gggagggeat 1380 1440 ttgccagcag gacatggggg agtcatgcct tcttccacct tcgggaagta cgagtgctca 1500 catgecetgg gatgagttee caagtgeagg geceaaggag geaceteeet ggggeaagga 1560 geageetete cacetggage caagteetee tgecageeeg acceagagte cagacaacet 1620 gacttgcaca gagacgcccc tcgtcatcgc aggcaaccct gcttaccgca gcttcagcaa 1680 ctccctgagc cagtcaccgt gtcccagaga gctgggtcca gacccactgc tggccagaca 1740 cctggaggaa gtagaacccg agatgccctg tgtcccccag ctctctgagc caaccactgt 1800 gccccaacct gagccagaaa cctgggagca gatcctccgc cgaaatgtcc tccagcatgg 1860 ggcagetgca gececegtet eggececeae eagtggetat eaggagtttg taeatgeggt 1920 ggagcagggt ggcacccagg ccagtgcggt ggtgggcttg ggtcccccag gagaggctgg 1980 ttacaaggcc ttctcaagcc tgcttgccag cagtgctgtg tccccagaga aatgtgggtt 2040 tggggctagc agtggggaag aggggtataa gcctttccaa gacctcattc ctggctgccc 2100 tggggaccet geeceagtee etgteeeett gtteacettt ggaetggaea gggageeaee 2160 tegeagteeg cagageteac ateteceaag cageteecca gageacetgg gtetggagee 2220 gggggaaaag gtagaggaca tgccaaagcc cccacttccc caggagcagg ccacagaccc 2280 cettgtggac agcetgggca gtggcattgt ctactcagec ettacetgcc acetgtgegg 2340 ccacctgaaa cagtgtcatg gccaggagga tggtggccag acccctgtca tggccagtcc 2400 ttgctgtggc tgctgctgtg gagacagggc ctcgcccct acaacccccc tgagggcccc 2460 agacccctct ccaggggggg ttccactgga ggccagtctg tgtccggcct ccctggcacc 2520 ctcgggcatc tcagagaaga gtaaatcctc atcatccttc catcctgccc ctggcaatgc 2580 tcagagetca agecagaece ecaaaategt gaaetttgte teegtgggae ecacatacat 2640 gagggtetet taggtgeatg teetettgtt getgagtetg cagatgagga etagggetta 2700 tccatgcctg ggaaatgcca cctcctggaa ggcagccagg ctggcagatt tccaaaagac 2760 ttgaagaacc atggtatgaa ggtgattggc cccactgacg ttggcctaac actgggctgc 2820 agagactgga ccccgcccag cattgggctg ggctcgccac atcccatgag agtagagggc 2880 actgggtcgc cgtgccccac ggcaggcccc tgcaggaaaa ctgaggccct tgggcacctc 2940 gacttgtgaa cgagttgttg gctgctccct ccacagcttc tgcagcagac tgtccctgtt 3000 gtaactgccc aaggcatgtt ttgcccacca gatcatggcc cacatggagg cccacctgcc 3060 tctgtctcac tgaactagaa gccgagccta gaaactaaca cagccatcaa gggaatgact 3120 tgggcggcct tgggaaatcg atgagaaatt gaacttcagg gagggtggtc attgcctaga 3180 ggtgctcatt catttaacag agcttcctta ggttgatgct ggaggcagaa tcccggctgt 3240

```
caaggggtgt tcagttaagg ggagcaacag aggacatgaa aaattgctgt gactaaagca
                                                                     3300
gggacaattt gctgccaaac acccatgccc agctgtatgg ctgggggctc ctcgtatgca
                                                                     3360
tggaaccccc agaataaata tgctcagcca ccctgtgggc cgggcaatcc agacagcagg
                                                                     3420
cataaggcac cagttaccct gcatgttggc ccagacctca qqtqctaqqq aaqqcqqqaa
                                                                     3480
ccttgggttg agtaatgctc gtctgtgtgt tttagtttca tcacctgtta tctgtgtttg
                                                                     3540
ctgaggagag tggaacagaa ggggtggagt tttgtataaa taaagtttct ttqtctcttt
                                                                     3600
aaaaaaaaa aa
                                                                     3612
     <210> 7055
     <211> 907
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (33)...(817)
     <223> similar to gi3327976 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7055
gggcagaccc ggagggaacg gaggaagcgg tcatgtctcg ctacacqaqq cccccaaca
                                                                       60
cctccctgtt catcaggaac gtcgcggacg ccaccaggcc tgaggacttg cgccgtgagt
                                                                      120
ttggtcgata tggccctata gtagacgttt acattccact tgacttctac actcgccgcc
                                                                      180
caagaggatt tgcttatgtt caatttgaag atgttcgaga tgctgaagat gctctttata
                                                                      240
acctcaatag aaagtgggta tgtggccgtc agattgaaat acagtttgca caaggtgatc
                                                                      300
gcaaaacacc aggccaaatg aaatcaaaag aacgtcatcc ttgttctcca agtgatcaca
                                                                      360
ggagatcaag aagccccagc caaagaagaa ctcgaagtag aagttcttca tggggaagaa
                                                                      420
ataggaggcg gtcagacagc cttaaagagt ctcgacacag gcgattttct tatagccagt
                                                                      480
ctaaatctcg ttccaaatca ttaccaaggc ggtctacctc agcaaggcag tcaagaactc
                                                                      540
caagaaggaa ttttggctct agaggacggt caaggtccaa gtccttacaa aagaggtcca
                                                                      600
agtcaatagg aaaatcacag tcaagttcac ctcaaaagca gactagctca ggaacaaaat
                                                                      660
```

```
<210> 7056
<211> 1089
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (358)...(1033)
<223> similar to gi31100 in the genepept database release 114,
```

caagatcaca tggaagacat tctgactcaa tagcaagatc cccgtgtaaa tctcccaaag

ggtataccaa ttttgaaact aaagtacaaa cagcaaagca ttctcatttt cggtcacatt

ccagatctcg aagttatcgt cataaaaaca gttggtgaac agcaacagaa agagcccac

cccgtcttta atataagtta ttaaactctc attatgttaa ataaaaattc tttaaggcat

acaqaaa

720

780

840

900

907

```
<400> 7056
gegtettegg teateteegg egettetagg getggtteee gteatetteg ggageegtgg
                                                                      60
aggtacgaac ttaagacatg cctattttat taatttactt ccaaacgcaa cgaaaggtcc
                                                                      120
atggacaatt tgtgggccat ttaattcagg gcccccaatt cgtacgtgga gaagtgggaa
                                                                      180
tgcaaaagta ctttgacctt taaccttegg teeggegegg tggagggaaa egecteegte
                                                                      240
tctatataag gaattttccg gtctcttcgg gtcctttttc ctcttcag cgtggggcgc
                                                                      300
ccacaatttg cgcgctctct ttctgctgct ccccagctct cggatacagc cgacaccatg
                                                                     360
ggtttcggag acctgaaaag ccctgccggc ctccaggtgc tcaacgatta cctggcggac
                                                                      420
aagagctaca tcgaggggta tgtgccatca caagcagatg tggcagtatt tgaagccgtg
                                                                     480
tecageeeac egeetgeega ettgtgteat geeetaegtt ggtataatea cateaagtet
                                                                     540
tacgaaaagg aaaaggccag cctgccagga gtgaagaaag ctttgggcaa atatggtcct
                                                                     600
gccgatgtgg aagacactac aggaagtgga gctacagata gtaaagatga tgatgacatt
                                                                     660
gacctetttg gatetgatga tgaggaggaa agtgaagaag caaagagget aagggaagaa
                                                                     720
cgtcttgcac aatatgaatc aaagaaagcc aaaaaacctg cacttgttgc caagtcttcc
                                                                     780
atcttactag atgtgaaacc ttgggatgat gagacagata tggcgaaatt agaggagtgc
                                                                     840
gtcagaagca ttcaagcaga cggcttagtc tggggctcat ctaaactagt tccagtggga
                                                                     900
tacggaatta agaaacttca aatacagtgt gtagttgaag atgataaagt tggaacagat
                                                                     960
atgetggagg ageagateae tgettttgag gaetatgtge agteeatgga tgtggetget
                                                                     1020
ttcaacaaga tctaaaatcc atcctggatc atggcattta aataaaagat tgaaagatta
                                                                    1080
aaaaaaaa
                                                                     1089
```

```
<210> 7057
<211> 1575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (35)...(1064)
<223> similar to gi6003654 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7057
ggagtccccc gcgccccccg cgttccgccc ggccatggct gcggtggcgc tgatgccacc
                                                                       60
geogetgetg etgetgetge tgttggegte geogecegee geeteegege egteegeeeg
                                                                     120
cgatecette gececcage teggggacae geagaactge eagetgeggt geegegaceg
                                                                     180
cgacctcggc ccgcagccct cgcaggcggg gctggagggc gcctccgagt ctccctatga
                                                                     240
cagagecgtt etgateageg ettgegageg tggetgeege etetteteea tetgeegatt
                                                                     300
tgtggccaga agctccaagc ccaatgccac ccaaactgag tgtgaagcag cctgcgtgga
                                                                     360
agcctatgtg aaggaggcag agcagcaggc ctgtagccac ggctgctgga gccagcccgc
                                                                     420
ggagcctgag ccggagcaga agagaaaggt cctggaggct ccaagtgggg ccctctccct
                                                                     480
cttggacttg ttttccaccc tctgcaatga ccttgtcaac tcagcccagg gatttgtctc
                                                                     540
ctccacctgg acatactact tgcagactga caatgggaaa gtggtggtgt ttcagactca
                                                                     600
gcccatagtg gagagcctcg gcttccaggg gggccgtctg cagcgcgtgg aggtgacctg
                                                                     660
gcgaggctcc caccctgaag ccctggaggt gcacgtggac cctgtaggcc ccctggacaa
                                                                     720
```

```
780
ggtgaggaag gccaagatcc gagtcaagac cagcagcaag gccaaggtgg agtctgaaga
                                                                      840
gccacaggac aatgacttcc tcagttgcat gtcccggcgc tcgggtctgc ctcgctggat
cetggcetge tgeetettee teteegtget ggtgatgetg tggetgaget getecaceet
                                                                      900
ggtgaccgcg cctggccagc acctcaagtt ccagcctctg accctggagc agcacaaggg
                                                                      960
cttcatgatg gagcccgatt ggcccctgta cccgccgccg tcccacgcct gtgaggacag
                                                                     1020
cctaccaccc tacaagctga agctggacct gaccaagctg taggcctcca ctggccccat
                                                                     1080
cactgccaac tgcagggggc ccctcgggcc tcacttgccc tgagcccagg gagtccaagg
                                                                     1140
gcagggtggg tccagccttg agcccctcca cccccaaatc cttcctctc tcccagaccc
                                                                     1200
accepttgee ccaeggagte etggggaege agtgeeceag etgggaagag ggegggateg
                                                                     1260
ggcactggtt cetecttgtc ceegetttet tgggggettg ctactttttg tettetattg
                                                                     1320
tgtggctttc tgagtatttg aaccccagtc ctgtgtcacc ttcctttttc cttctctgtc
                                                                     1380
ccctctctgc gggggggcgc tgaggctgag ggggagctgc gtcttgctag ggcttccccc
                                                                     1440
ttctccccat cccggtctcc agagacccag cttctgagag acagggtgtg ggcatctcca
                                                                     1500
tgcccctata aagcgtgcct ggggcttgtc tggggctggg gaggaataaa ccatgtatat
                                                                     1560
aaaagaaaaa aaaaa
                                                                     1575
```

```
<210> 7058
<211> 1957
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (410)...(1959)
<223> similar to gi2887453 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7058
ctcggaaaag cttttcagta aatgcactca tgctgctcca ggagctcttc tctgcaacaa
                                                                       60
gccacccatc tgccatcaac aagttaagac caagagaact aacggctgcg gaaatgagac
                                                                      120
tgaagctttg attaaccagc tgagcagtta gaggtggaga aatttaataa cttatattca
                                                                      180
aaactgattt agggatcaga gcaatcacag aaaatgaaac caatgctttc cagagggata
                                                                      240
tcctaaggaa aaaacaactc gtcctggtgg attcaatttt acttggaaag cctgggacac
                                                                      300
agaaaacagg aaactggtca aaggctccta catgttagag ccttttacag actcactgcg
                                                                      360
ttgagtctaa caaccgcgac tgaatgcagc ctccaatgtg ctcagaagaa tgggcttaca
                                                                      420
tttcaagtgg ccattagggg cccctatgct ggcagcaata tatgcaatga gtatggtttt
                                                                      480
aaaaatgctg cctgccctgg gtatggcgtg tccacccaaa tgccgctgcg agaagctgct
                                                                      540
cttctactgc gactctcagg gcttccactc agtgccaaac gccacagaca agggctctct
                                                                      600
gggcctgtcc ctgaggcaca atcacatcac agagctcgaa agagatcaat ttgccagctt
                                                                      660
cagtcaactt acttggctcc acttagatca caatcaaatt tcaacagtaa aagaagatgc
                                                                      720
ttttcaagga ctatataaac ttaaggaatt aatcttaagt tccaacaaaa tattttactt
                                                                      780
gecaaacaca aettttaece aactgattaa eetgeaaaat ttggaeetgt ettttaatea
                                                                      840
gctgtcatct ctgcacccag agctcttcta tggccttcgg aagctgcaga ccttgcattt
                                                                      900
acgttccaac tccctgcgga ctatcccagt acgcctgttc tgggactgtc gtagtctgga
                                                                      960
gtttctggat ttgagcacaa atcgtttgcg aagtttggct cgcaatggat ttgcaggatt
                                                                     1020
aattaaactg agagagcttc acctagagca caaccagctg acgaagatta attttgctca
                                                                     1080
tttcctacgg ctaagcagtc tgcacacgct cttcttacaa tggaacaaaa tcagcaactt
                                                                     1140
gacatgtggg atggagtgga cctggggcac tttagaaaag ctagacctga ctggaaatga
                                                                     1200
aatcaaagcc atcgacttga cagtgtttga aacgatgccc aatcttaaaa tactactcat
                                                                     1260
ggataacaac aagttaaaca gccttgattc caagatctta aactccctga gatccctcac
                                                                     1320
```

```
aaccgttggt ctctctggca atctgtggga atgcagcgcc cgaatatgtg ctctggcctc
                                                                     1380
etggetggge agtttecaag gteggtggga acaetecate etatgecaea gteetgaeea
                                                                     1440
cacccaagga gaggatattc tagatgcagt ccatggattt cagctctgct ggaatttgtc
                                                                     1500
aaccactgtc actgtcatgg ctacaactta tagagatcca accactgaat atacaaaaag
                                                                     1560
aataagctca tcaagttacc atgtgggaga caaagaaatc ccaactactg caggcatagc
                                                                     1620
agttactacc gaggaacact ttcctgaacc agacaatgcc atcttcactc agcgggtaat
                                                                     1680
tacgggaaca atggctttat tgttttcttt cttttttatt atttttatag tgttcatctc
                                                                     1740
caggaagtgc tgccctccca ctttaagaag aattaggcag tgctcaatgg ttcagaacca
                                                                     1800
caggcagete egateceaaa caegaeteca tatgteaaac atgteagaec aaggaeegta
                                                                     1860
taatgaatat gaacccaccc atgaaggacc cttcatcatc attaatggtt atggacagtg
                                                                     1920
caagtgtcag cagctgccat acaaagaatg tgaagta
                                                                     1957
```

```
<210> 7059
<211> 1900
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (130)...(1514)
<223> similar to gi32105 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7059 gaggcggggc gcgggcgtgc agcggcgcag gctccgccc ggggccgtct ccagccgggg 60 gegeegagee getecagtee eeggegegee gegggetggt gggeteageg geggegeegg 120 cactgggaaa tgaccctgcc cgggggccca acgggcatgg cgcggcggg gggcgcgagg 180 ccctgcagcc cggggctgga gcgggccccg cgccggagtg tcggggagct gcgcctgctc 240 ttcgaggcgc gctgtgcggc ggtcgctgcg gccgccgccg cgggggagcc ccgggcccgc 300 ggggccaagc ggcgtggggg acaggtcccc aacgggcttc cgcgggctcc cccggccccg 360 gtgatccctc agctgaccgt gacagccgag gagcccgacg tgcccccgac cagccctggg 420 ccgccggagc gggagaggga ctgcctcccg gcagcgggct cttcgcacct gcagcagccg 480 cgccgccttt ccacctcgtc ggtctcctcc actggctcct cgtcgctgct cgaggactcg 540 gaggacgacc tgctgagcga cagtgagagc cggagccgcg gcaacgtgca gctggaagcg 600 ggcgaggacg tgggtcagaa aaaccactgg cagaagatcc ggaccatggt caatctgccg 660 gtcataagcc ctttcaagaa gcgctacgcc tgggtgcagc tggcagggca cactgggagt 720 tttaaggcgg cgggcaccag cgggctgatc ctgaagcgct gctcggagcc ggagcgctac 780 tgcctggcgc ggctgatggc tgacgcgctg cgcggctgcg tgcctgcctt ccacggcgtg 840 gtggagcgcg acggcgaaag ctacctgcag ctgcaggacc tgctcgatgg cttcgacgga 900 ccttgtgtgc tcgactgcaa aatgggcgtc aggacttacc tagaggagga gctgaccaag 960 gcccgtgagc ggcccaagct gcggaaggac atgtacaaga aaatgctggc ggtggatcct 1020 gaageteeca eggaggagga geaegegeag egegeegtea eeaageegeg etacatgeag 1080 tggcgggaag gcatcagctc cagcaccacc ctcggcttcc gcatcgaggg catcaagaaa 1140 gcggacggct cctgcagcac cgacttcaag actacgcgaa gccgagagca ggtgcttcgc 1200 gtctttgaag agtttgtgca aggagatgag gaagtgctga ggcggtatct gaaccgcctg 1260 cagcagatcc gggacaccct ggaggtatcc gagttcttca ggaggcacga ggtgatcggc 1320 agetegetee tetttgtgca egateaetge categegeeg gegtgtgget categaette 1380 ggcaagacca cgcccctccc cgatggccag atcctggacc accggcggcc ctgggaggag 1440 ggcaaccgcg aggacggcta tttgctgggg ctggacaatc tcattggcat cctggccagc 1500 ctggctgaga gatgaggctg gactcctgtc cccgcgggcc gctcacctga catgtggacc 1560

```
tgcagctttg tccccactgt gcatgccggc ttgagactgg agcccgcgg tgcagggcag 1620 ttcaccgggt cctgcaggac caggtgccag ccactaaggg ggggcaccgc cgatgccagg 1680 ggttttgcc acccgggccc cagcgttccc agagccaaat gacactaact tatagaaggg 1740 gagggggcaa agggcttctt cctcaggcca gctcttctga ggaggctctg ccctcccag 1800 aggtgccaga ccgcggattt tatttagcaa gcccagacct tccggtctaa cgtctcacac 1860 cacgacggac tccccttcct aataaaactc aaagacaaaa 1900
```

```
<210> 7060
<211> 2546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (300)...(1913)
<223> similar to gi957217 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7060 tttcgtcaag cagggacaca cgcagacaca cgcacactcg cgcgcgcatc ctcccgccag 60 cctgcccgcc tgctcgccgg cgcccggagc ccgctctggc cgctggatga tctgaagctg 120 coetetetee tteatttata teaceagett getttttget gagaaagett cetgecetgg 180 aagatggcac ccttccccat ccagacacct tgggaatgaa ttatgaggga gccaggagtg 240 agagagagaa ccacgctgct gatgactccg agggaggggc cctggacatg tgctgcagtg 300 agaggetace gggtetecee cageegatag tgatggagge actggaegag getgaaggge 360 tecaggaete acagagagag atgeegeeac ecceteetee etegeegeec teagatecag 420 ctcagaagcc accacctcga ggcgctggga gccactccct cactgtcagg agcagcctgt 480 gcctgttcgc tgcctcacag ttcctgcttg cctgtggggt gctctggttc agcggttatg 540 gccacatctg gtcacagaac gccacaaacc tcgtctcctc tttgctgacg ctcctgaaac 600 agetggaace caeggeetgg ettgaetetg ggaegtgggg agteeceagt etgetgetgg 660 tetttetgte egggggeetg gteetegtta ceaccetggt gtggeacete etgaggacae 720 ecceagagee acceaeceea etgeceeetg aggacaggeg ecagteagtg agecqceage 780 cctccttcac ctactcagag tggatggagg agaagatcga ggatgacttc ctggacctcg 840 accoggiged ogagacteet gigtitgatt gigtgatgga catcaageet gaggeigace 900 ccacctcact caccgtcaag tccatgggtc tgcaggagag gaggggttcc aatgtctccc 960 tgaccctgga catgtgcact ccgggctgca acgaggaggg ctttggctat ctcatgtccc 1020 cacgtgagga gtccgcccgc gagtacctgc tcagcgcctc ccgtgtcctc caagcagaag 1080 agetteatga aaaggeeetg gaeeetttee tgetgeagge ggaattettt gaaateeeca 1140 tgaactttgt ggatccgaaa gagtacgaca tccctgggct ggtgcggaag aaccggtaca 1200 aaaccatact teccaaeeet cacageagag tgtgtetgae eteaeeagae eetgaegaee 1260 ctctgagttc ctacatcaat gccaactaca tccggggcta tggtggggag gagaaggtgt 1320 acategecae teagggacee ategteagea eggtegeega ettetggege atggtgtgge 1380 aggagcacac gcccatcatt gtcatgatca ccaacatcga ggagatgaac gagaaatgca 1440 ccgagtattg gccggaggag caggtggcgt acgacggtgt tgagatcact gtgcagaaag 1500 tcattcacac ggaggattac cggctgcgac tcatctccct caagagtggg actgaggagc 1560 gaggeetgaa geattaetgg tteacateet ggeeegaeea gaagaeeeea gaeegggeee 1620 ecceaetect geacetggtg egggaggtgg aggaggeage ceageaggag gggeeceaet 1680 gtgcccccat catcgtccac tgcagtgcag ggattgggag gaccggctgc ttcattgcca 1740 ccagcatctg ctgccagcag ctgcggcagg agggtgtagt ggacatcctg aagaccacgt 1800 gccagctccg tcaggacagg ggcggcatga tccagcactg cgagcagtac cagtttgtgc 1860

```
1920
accacgtcat gagcctctac gaaaagcagc tgtcccacca gtccccagaa tgactgcgct
                                                                     1980
tetectacaa gggtetetgg geaetgeeca geetgagtet eggeeeteae eeagggeeet
geotegggte etgggeetge teccegette eteccettea gteagetece tetgteetet
                                                                     2040
gtcagectgg cetgacecet accetecage attgetette etactgtaca tattggggag
                                                                     2100
tggggggcag ggtcgggaag ggacatgcca ggccaggcct ggggccccgg ggcctgaccc
                                                                     2160
acaccacgca gaccccgggc tccagttttt aacgatggtt ccatcaatac ctgatccaga
                                                                     2220
atgtttccgt gctacacttt gtgtcctgct gcaatgtgtt ctgtctgtcc atccatctct
                                                                     2280
gecetetgta eeggacaetg tgteteetea gecaggaagg ggtaatgage tecageeeet
                                                                     2340
aagcaacegg acttgeetge eteggeetea eeegeactte teecaaaagg cagatgaegg
                                                                     2400
ggagttaggc atggggagct ccagaaggtc accagagagc tttcagctga gggagagttc
                                                                     2460
tctaggttgg agtgggcatc acagccaggg tggcctctgg gtgtcagatg ctctcaggag
                                                                     2520
ggtgcccagc ctgtgaggca ctggca
                                                                     2546
```

```
<210> 7061
<211> 2986
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (269)...(1419)
<223> similar to gi5566614 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7061 attgaccgcc tattagaccg cctgcagaat tcggacgagc ttgaaccggg gcattgctgc 60 tgtcaaggag gatgcagtcg agatgctggc cagctacggg ctggcgtact ccctcatgaa 120 gttcttcacg ggtcccatga gtgacttcaa aaatgtgggc ctggtgtttg tgaacagcaa 180 gagagacagg accaaagccg tectgtgtat ggtggtggca ggggccatcg etgecgtett 240 tcacacactg atagcttata gtgatttagg atactacatt atcaataaac tgcaccatgt 300 360 catggacgca atggcatgga cccatgctgg cattctctta aaacacaaat acagtttcct 420 ggtgggatgt gcctcaatct cagatgtcat agctcaggtt gtttttgtag ccattttgct 480 teacagteae etggaatgee gggageeeet geteateeeg ateeteteet tgtacatggg 540 cgcacttgtg cgctgcacca ccctgtgcct gggctactac aagaacattc acgacatcat 600 ccctgacaga agtggcccgg agctgggggg agatgcaaca ataagaaaga tgctgagctt 660 ctggtggcct ttggctctaa ttctggccac acagagaatc agtcggccta ttgtcaacct 720 ctttgtttcc cgggaccttg gtggcagttc tgcagccaca gaggcagtgg cgattttgac 780 agccacatac cctgtgggtc acatgccata cggctggttg acggaaatcc gtgctgtgta 840 tectgettte gacaagaata acceeageaa caaactggtg ageacgagea acaeagteae 900 ggcagcccac atcaagaagt tcaccttcgt ctgcatggct ctgtcactca cgctctgttt 960 cgtgatgttt tggacaccca acgtgtctga gaaaatcttg atagacatca tcggagtgga 1020 ctttgccttt gcagaactct gtgttgttcc tttgcggatc ttctccttct tcccagttcc 1080 agtcacagtg agggcgcatc tcaccgggtg gctgatgaca ctgaagaaaa ccttcgtcct 1140 tgcccccage tetgtgctgc ggateategt ceteategce ageetegtgg tectaceeta 1200 cctgggggtg cacggtgcga ccctgggcgt gggctccctc ctggcgggct ttgtgggaga 1260 atccaccatg gacgccatcg ctgcgtgcta tgtctaccgg aagcagaaaa agaagatgga 1320 gaatgagtcg gccacggagg gggaagactc tgccatgaca gacatgcctc cgacagagga 1380 ggtgacagac atcgtggaaa tgagagagga gaatgaataa ggcacgggac gccatgggca 1440 ctgcagggac agtcagtcag gatgacactt cggcatcatc tcttccctct cccatcgtat 1500

```
tttgttccct tttttttgtt ttgttttggt aatgaaagag gccttgattt aaaggtttcg
                                                                    1560
tgtcaattct ctagcatact gggtatgctc acactgacgg ggggacctag tgaatggtct
                                                                    1620
ttactgttgc tatgtaaaaa caaacgaaac aactgacttc atacccctqc ctcacqaaaa
                                                                    1680
cccaaaagac acagctgcct cacggttgac gttgtgtcct cctcccctgg acaatctcct
                                                                    1740
cttggaacca aaggactgca gctgtgccat cgcgcctcgg tcaccctgca cagcaggcca
                                                                    1800
cagactetee tgtececett categetett aagaateaac aggttaaaac teggetteet
                                                                    1860
ttgatttgct tcccagtcac atggccgtac aaagagatgg agccccggtg gcctcttaaa
                                                                    1920
tttcccttcc gccacggagt tcgaaaccat ctactccaca catgcaggag gcgggtggca
                                                                    1980
cgctgcagcc cggagtcccc gttcacactg aggaacggag acctgtgacc acagcaggct
                                                                    2040
gacagatgga cagaatctcc cgtagaaagg tttggtttga aatgccccgg gggcagcaaa
                                                                    2100
ctgacatggt tgaatgatag catttcactc tgcgttctcc tagatctgag caagctgtca
                                                                    2160
gttctcaccc ccaccgtgta tatacatgag ctaacttttt taaattgtca caaaagcgca
                                                                    2220
tctccagatt ccagaccctg ccgcatgact tttcctgaag gcttgctttt ccctcgcctt
                                                                    2280
tcctgaaggt cgcattagag cgagtcacat ggagcatcct aactttgcat tttagttttt
                                                                    2340
acagtgaact gaagetttaa gteteateea geattetaat geeaggttge tgtagggtaa
                                                                    2400
cttttgaagt agatatatta cctggttctg ctatccttag tcataactct gcggtacagg
                                                                    2460
taattgagaa tgtactacgg tacttccctc ccacaccata cgataaaqca aqacatttta
                                                                    2520
taacgatacc agagtcacta tgtggtcctc cctgaaataa cgcattcgaa atccatgcag
                                                                    2580
tgcagtatat ttttctaagt tttggaaagc aggttttttc ctttaaaaaa attatagaca
                                                                    2640
cggttcacta aattgattta gtcagaattc ctagactgaa agaacctaaa caaaaaaata
                                                                    2700
ttttaaagat ataaatatat gctgtatatg ttatgtaatt tattttaggc tataatacat
                                                                    2760
ttcctatttt cgcattttca ataaaatgtc tctaatacaa tacggtgatt gcttgtgtgc
                                                                    2820
tcaacatacc tgcagttgaa acgtattgta tcaatgaaca ttgtacctta ttggcagcag
                                                                    2880
ttttataaag tccgtcattt gcatttgaat gtaaggctca gtaaatgaca gaactatttt
                                                                    2940
tcattatggg taactggggg aataaatggg gtcactggga gtaggg
                                                                    2986
```

```
<210> 7062
<211> 2459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (64)...(462)
<223> similar to gi755088 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7062
tragratttt atrtgagtet tetgaatere acttagaart gtgttgaget etcacceate
                                                                       60
acgatgagca acaaatteet gggeacetgg aaaettgtet etagtgagaa etttgaegat
                                                                      120
tacatgaaag ctctgggtgt ggggttagcc accagaaaac tgggaaattt ggccaaaccc
                                                                      180
actgtgatca tcagcaagaa aggagatatt ataactatac gaactgaaag tacctttaaa
                                                                      240
aatacagaaa teteetteaa getaggeeag gaatttgaag aaaccacage tgacaataga
                                                                      300
aagaccaaga gcatcgtaac cctgcagaga ggatcactga atcaagtgca gagatgggat
                                                                      360
ggcaaagaga caaccataaa gagaaagcta gtgaatggga aaatggtagc ggaatgtaaa
                                                                      420
atgaagggcg tggtgtgcac cagaatctat gagaaggtct gaaaaatcat ttcttcattg
                                                                      480
aagtggcttt ttatcattta atgatggaaa tcaattgctt ccattgacaa aactgaatac
                                                                      540
actgcaaata tttgtttttg cttttgtctt aatatatcag atatgcaaag gcctaaactg
                                                                      600
agaattaatc taaaagtcag tgttatttaa acattttcaa tgtgcatgca tgtcattatt
                                                                      660
acatcaaagc atatatattg gccagacaca aacagttgat gatgtcattc aattaactac
                                                                      720
```

```
aaaattctaa tctatgttga actttgtata cttgaaatga taataaaaag gatataattt
                                                                    780
cttagtaaaa tgaaatcaaa gtattgatca gggtagcaaa ctcaaatgct gacaggggcc
                                                                    840
agaggagata tggggaagga gcatcagaaa tgaggcaagc taggagaatg ggctattata
                                                                    900
atgtaaagaa ttgtagtctc agttaaaagg ggtagcctct actccagcca acattttaaa
                                                                    960
attaatggat aatttataga cagttaaatt tatagacagt taagtaaaaa tqqataattt
                                                                   1020
atagacagat aatttataga caggtaaatg tgagttaaat ataactcaca tcccactcaa
                                                                   1080
gacacaaaac attttettaa teetagtaca tttttttetg teeetteeca atcagtgtee
                                                                   1140
ttttctgttc cacccctacc aaaagcaagt agtggtttgg tttctatcat atagattaat
                                                                   1200
tttacctgct catatgaagg gaattgtaca tcatgcattc ttttctgttt gcctttttta
                                                                   1260
aattcagcat catgtttttg tgatacatcc acattgttgc atgcagctgt agtttgtttc
                                                                   1320
tttttattac caagtactat ttcattgtat gaatatatca cagtttatcc attctactat
                                                                   1380
taagacaatt gagctatttc taattttcgg ctgctatgaa taaagctgct acaaatattt
                                                                   1440
ttgtacaaga ctttttgtaa acataggagt ccctttattt taaataaata actagtcata
                                                                   1500
tcattaggtc cagtaattgt tgacaggcag gaacggggga ccattgcatt gtgcccaagt
                                                                   1560
aataataaaa ctatttcaga tgtattatat gattgagcaa atgagaaaac atgttgatgt
                                                                   1620
tgatgggagt caggatgttc actatggaaa aacaaatata caaatatgaa atgagggaag
                                                                   1680
gcaagaaaga accatgtgga aatggaatag aattggtata aattcataat ttctaaacca
                                                                   1740
tgtatatgta cgtttatatg tattataatt gcatacacat gcctccatgc atatatgtgt
                                                                   1800
gtgataatac acatgcattt atgtgcgtgt gtgtatacac atgcatatat ttactaatcc
                                                                  1860
tatctgccaa aatggcttag acacaaaaac acctcagcag aaatgaatat acctagcact
                                                                   1920
cagatetteg tgtetaatat agtttgeeac taaaaggaac caaggetact tgqaaaaatq
                                                                   1980
gatgattcca aagcaagggc aaggtaggaa caagatgagc ttgaaatatc ttgttatgcc
                                                                  2040
agaaagtaat gttaaaaaaa aaaaatagag gtatattgcc aaaacataaa tccagcttga
                                                                  2100
aggggctccc actggccaaa cttgagccaa tttgagagca aaataattga gaaaaataaa
                                                                  2160
taacaagata attgagaaaa aaataaaata aattcccaat tccattggaa aaaaatagaa
                                                                  2220
atccatgaat ccatactgat ataatgataa ataatcgata gataggtaga tgactgacag
                                                                  2280
2340
tagagaaatg agaaggtttc tcttttgcaa tagaacgtca tggaccagtg ttaaatgtga
                                                                  2400
gtggaaggag ttctggaatt ggaaaaccat catttttcaa ccatcacagt aaatatggc
                                                                  2459
```

```
<210> 7063
<211> 3047
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (391)...(2682)
<223> similar to gi899477 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7063
tgggccgcag ccctccccgc cccgccgacc gcggtcacac actctcggag cctccccgtg
                                                                       60
agegggageg eggegeaegg egatgegeeg aggegggege tgaggeggeg eegegegage
                                                                     120
agcagcagag geggeggg cccccagccc agcceggege egeegeegag ccegggecee
                                                                     180
aaggtgcggc ggcgccccaa gttcccgcca tgagcagccg gctcgggggg ctccgcggcc
                                                                     240
ccggggactc ccgccccgcc gggcgcgacc gcagcgcccc gcggccccga cgcgcttaac
                                                                     300
gttgtcgctt gccggtcccg ccaccgccgc ctccgccgcc gctcgcgtcc tcgccgccac
                                                                     360
cgcctcggcc gctgcagctc cgccggcagc atgtctcgaa ggaagatttc gtccgagtcc
                                                                     420
ttcagctccc tgggctccga ctacctggag accagcccgg aggaggaggg ggagtgcccc
                                                                     480
```

```
etgtetagge tetgetggaa tggeageegg ageeegeegg ggeegetgga geeeageeeg
                                                                      540
geogragety cogetycoge cycecogyce cogaccocyg etgettetyc cycegeogec
                                                                      600
gctgccactg ccggggccag gagggtgcag cgccggaggc gggtcaacct ggactcgctg
                                                                      660
ggcgagagca tcagccgcct gacggcgccc tcgcctcaga cgatacagca gactctcaag
                                                                      720
aggacactgc agtattatga acatcaagtt attggttaca gggatgcaga aaagaatttc
                                                                      780
cacaatatct ctaacagatg ctcctatgca gaccactcca acaaagaaga aattgaagat
                                                                      840
gtctcaggaa ttcttcagtg tactgctaat atactcggtt tgaagtttga ggaaattcaa
                                                                      900
aaaagatttg gtgaagagtt ctttaatata tgctttcatg agaatgagag agtccttcga
                                                                      960
gctgtaggtg gcactttgca ggactttttt aacggctttg atgctttgtt ggaacacatt
                                                                     1020
agaacttctt ttggaaaaca ggccactctg gagtcaccat ctttcctatg caaagagctc
                                                                     1080
cctgaaggta ctctcatgct ccactacttc caccctcacc atattgtggg gtttgcaatg
                                                                     1140
ctggggatga ttaaggctgc aggaaagaag atctatcggc tggatgtgga agtggaacag
                                                                     1200
gttgcaaatg agaagctatg ctctgatgtt tcaaacccag gcaattgtag ctgtcttact
                                                                     1260
ttccttatca aagaatgtga aaatactaat atcatgaaga accttccaca gggaacctcc
                                                                     1320
caagtteetg eggaceteag aattageate aacacettet gtagageett eeettteeae
                                                                     1380
ttgatgtttg atcccagcat gtcagtcctt cagttggggg aaggtctaag gaagcagctt
                                                                     1440
cgatgtgaca ctcacaaagt getcaagttt gaggactgct tcqaqattqt atctccaaaq
                                                                     1500
gttaatgcca cctttgaaag ggtcctgctg cgactgtcta ccccgtttgt gattagaacc
                                                                     1560
aagcctgagg cttctggctc tgaaaataaa gacaaggtga tggaagtcaa aggacaaatg
                                                                     1620
atccatgttc cagaatcaaa ttccatttta tttttgggct ctccatgtgt ggacaagttg
                                                                     1680
gatgaactca tgggccgagg gctacatctc tcagacatcc ctatccatga tgccacccga
                                                                     1740
gatgtcattt tggttggtga gcaggcaaag gcccaagatg ggttgaagaa aaggatggat
                                                                     1800
aaattaaagg caactttaga aagaactcac caggccctgg aagaagagaa aaagaagaca
                                                                     1860
gtggatette tatattetat tttecetggt gatgtageee ageaattatg geaagggeag
                                                                     1920
caagtacagg ccagaaagtt tgatgatgtc accatgctct tttcagacat tgttggcttc
                                                                     1980
acagccatat gtgcccagtg tactcccatg caagtaatca gcatgctgaa tgaactgtac
                                                                     2040
accagatttg accaccagtg tggatttttg gatatttata aggtggaaac aataggtgat
                                                                     2100
gcctactgtg ttgcagcagg gctccacaga aaaagcctct gccatgctaa acccattgct
                                                                     2160
ctgatggcct tgaagatgat ggaactttca gaagaggtgc tgacacctqa tqqaaqaccq
                                                                     2220
atteageece agaggagtga acteetttte teettteetg ttteeateea getggtteea
                                                                     2280
gatcagcatc aaagtgaaac ggatttgggt actgaaaaga tgaggatagg aattcactca
                                                                     2340
ggctccgtgc tggctggagt tgttggggtg cgaatgccac gttattgcct gtttggaaat
                                                                     2400
aatgtcacac tggcaagcaa attcgagtcg ggaagtcacc ctcggcgcat caatgtcagc
                                                                     2460
ccaaccactt accaattatt aaaacgagaa gaaagtttca cattcattcc gcggtctcgt
                                                                     2520
gaagagette cagacaactt tecaaaggaa atteetggga tetgetattt eetggaggta
                                                                     2580
aggactggtc caaagccacc aaagccttct ctttcttcgt cgagaataaa aaaggtttcc
                                                                     2640
tacaacateg gcaccatgtt cctccgggag acaagcctct gagacctgct acagatcaaa
                                                                     2700
gactcctcca aaaagcacaa gcccagaaca tgggtcacca atggggggtg gaaagagatt
                                                                     2760
gtgtctcttt cattgctttg ttgagaacaa gcagcaaaat ttctgtatta tgtcaggcaa
                                                                     2820
taatcctact aaaaggtgga ggtgaccgct gtcaataaaa agccggagga tgagggaaat
                                                                     2880
aagatgtgtc cattcatatg agtggttttg gtcatatata tacacatata ttttaattac
                                                                     2940
aagtgtgggt cccctttcag aactaaccaa taaatagatt ccatgttttc ttgtttatca
                                                                     3000
cacatacaag tatctttccc tatatatttg taccactttt gagagcc
                                                                     3047
```

```
<210> 7064
<211> 2164
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (183)...(1156)
<223> similar to gi439614 in the genepept database release 114,
```

```
<400> 7064
gcgaaagagg aaactgcaga ggaggaagct gcgccgcagc ccgagccgcc cggcatcccc
                                                                       60
geogetetg egeoegege gegeoecegg egeocetec ecaqeqeqee eceqqeeqet
                                                                      120
ceteegegee gegetegteg gecatggeee gggagaaegg egagageage teeteetgga
                                                                      180
aaaagcaagc tgaagacatc aagaagatct tcgagttcaa agagaccctc ggaaccgggg
                                                                      240
ccttttccga agtggtttta gctgaagaga aggcaactgg caagctcttt gctgtgaagt
                                                                      300
gtatccctaa gaaggcgctg aagggcaagg aaagcagcat agagaatgag atagccgtcc
                                                                      360
tgagaaagat taagcatgaa aatattgttg ccctggaaga catttatgaa agcccaaatc
                                                                      420
acctgtactt ggtcatgcag ctggtgtccg gtggagagct gtttgaccgg atagtggaga
                                                                      480
aggggtttta tacagagaag gatgccagca ctctgatccg ccaagtcttg gacgccgtgt
                                                                      540
actateteca cagaatggge ategtecaca gagaceteaa gecegaaaat etettqtaet
                                                                      600
acagtcaaga tgaggagtcc aaaataatga tcagtgactt tggattgtca aaaatggagg
                                                                      660
gcaaaggaga tgtgatgtcc actgcctgtg gaactccagg ctatgtcgct cctgaagtcc
                                                                      720
tegeccagaa acettacage aaageegttg actgetggte categgagtg attgectaca
                                                                      780
tettgetetg eggetaceet cetttttatg atgaaaatga etecaagete tttgageaga
                                                                      840
tcctcaaggc ggaatatgag tttgactctc cctactggga tgacatctcc gactctgcaa
                                                                      900
aagacttcat teggaacetg atggagaagg accegaataa aagatacaeg tgtgageagg
                                                                      960
cagctcggca cccatggatc gctggtgaca cagccctcaa caaaaacatc cacgagtccg
                                                                     1020
tcagcgccca gatccggaaa aactttgcca agagcaaatg gagacaagca tttaatgcca
                                                                     1080
cggccgtcgt cagacatatg agaaaactac acctcggcag cagcctggac agttcaaatg
                                                                     1140
caagtgtttc gagcagcctc agtttggcca gccaaaaaga ctgtgcgtct ggcaccttcc
                                                                     1200
acgctctgta gtttcatttc ttcttcgtcg ggggtctcag gagttggagc cgagcggaga
                                                                     1260
cccaggccca ccactgtgac ggcagtgcac tctggaagca agtgactggc cctggaggtg
                                                                     1320
gggcccgggg tcggggctgg ggaaggggag ccccagggtc gccagaqccq cqaqccactc
                                                                     1380
cagcgagacc ccaccttgca tggtgcccct tcctgcatag gactggaaga ccgaagtttt
                                                                     1440
tttatggcca tattttctac tgcaattctg aagtgttcat ttctcacaaa ctgtactgac
                                                                     1500
tcgaggggcg ctgatttcat aggatctggt gctgtatata cgaatcttgc aaagctctaa
                                                                     1560
ctgaacggac cttcttattc ctctccccta acaccatcgt ttccactctt ctcagtgtag
                                                                     1620
gtaaccgtct atggtgtgtt ttttcattaa tgacaaaaaa aaaagggttt caactggatt
                                                                     1680
atttaaatat tggtaaatat tgtgcattag ggtttgtttt tccttttaag aagtatgtcc
                                                                     1740
tttgtatete taagttacat gacetatate tttteetett taatagtagt tttatgttaa
                                                                     1800
cctttaagag atttgttttt cctcaaagga gaatttaaag gtatttttt aaaattctaa
                                                                     1860
taagaggatc agccgggtgc aatgactcat gcctgtaatc ccagcacgtt gggaggccaa
                                                                     1920
gtcgggcgga tcacaaggtc aggagatcaa ggccatcctg gttctatact gtgtagattg
                                                                     1980
ctggctacta aaaatacaaa aaattagccg ggcgtggtgg cacacaccta gtagtcccgg
                                                                     2040
ctactcgggt aggctgaggc aggagaattg cttgaacccg ggagacggag gttgcagtga
                                                                     2100
gctgagatcg tgccactgca ctccagcctg ggtgacagag caagactctg tctcaaaaaa
                                                                     2160
aaaa
                                                                     2164
```

```
<210> 7065
<211> 2402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (890)...(2158)
<223> similar to gi3256001 in the genepept database release 114,
```

```
<400> 7065
cggcaaaaag acaacatact tagaaataaa gttaaataag gaggtaaaag actcgtacac
                                                                     60
tgaaaactat aaaacattgg tgaaagaaat taaagaaatg aataagtgaa agatqqccca
                                                                    120
tgttcatgga ttagaagaac taatattgtt aaagtgtcca tactacccaa aatqatctac
                                                                    180
aaattagatg caatccctat caaaactcca atggcatatt tacagggtta gaaaaaacaa
                                                                    240
ttataaaatt cacatgaacc cacaaaagag ctcaaatggc caaatcaatt gtgagaaaaa
                                                                    300
aagaacaaag ctggaggcat cacagttctt aatttcaaaa tatattagaa agctatgqca
                                                                    360
atgagaacag tatgctactg gcataaaaat agacatgtgg accgatggat cagaagagag
                                                                    420
480
aaacagtgct acaagcagaa cgggcaacta cagctctttt gtttaacqaa aqaqaqaaaa
                                                                    540
tgaaagaaag ggaaaatttc agaagactag gacccatatg aacaaggagg gtaactcgaa
                                                                    600
gacaagcaga cagatggaca ctttggatac tgtgaaaagc aatcgcagga ggcaqactqt
                                                                    660
tgggggatgt gcgcatgttc gatagcatct tttttgctga agtgatggcg tgccaaaagt
                                                                    720
attttcagtg ggcataatcc tcttcacata aatggcctga ccaaggaaga atgactacaa
                                                                    780
gagagacaat gtgactgaat tagaaaatga ttgccaaaga ataqtattaa qqaqaaqaaa
                                                                    840
acatttttgg tcaccaatct ctcatatacc actactggat atttacaaca tqcttcaqtq
                                                                    900
gaggagaaga cactgctgct ttgcaaagat gacctggaat gccaaaaggt ctctgttccg
                                                                    960
cactcatctt attggagtac tttctctagt gtttcttttt gctatgtttt tgtttttcaa
                                                                   1020
tcatcatgac tggctgccag gcagagctgg attcaaagaa aaccctgtga catacacttt
                                                                   1080
ccgaggattt cggtcaacaa aaagtgagac aaaccacagc tcccttcgga acatttggaa
                                                                   1140
agaaacagtc cctcaaaccc tgaggcctca aacagcaact aactctaata acacagacct
                                                                   1200
gtcaccacaa ggagttacag gcctggagaa tacacttagt gccaatggaa gtatttacaa
                                                                   1260
tgaaaaaggt actggacatc caaattctta ccatttcaaa tatattatta atgagcctga
                                                                   1320
aaaatgccaa gagaaaagtc cttttttaat actactaata gctgcagagc ctggacaaat
                                                                   1380
agaagctaga agagctattc ggcaaacttg gggcaatgaa agtctagcac ctqqtattca
                                                                   1440
aatcacaaga atattttgt tgggcttaag tattaagcta aatggctacc ttcaacgtgc
                                                                   1500
aatactggaa gaaagcagac aatatcatga tataattcaa caggaatact tagatacgta
                                                                   1560
ctataatttg accattaaaa cactaatggg catgaactgg gttgcaacat actqtccaca
                                                                   1620
tattccatat gttatgaaaa ctgacagtga catgtttgtc aacactgaat atttaatcaa
                                                                   1680
taagttactg aagccagatc tgcctcccag acataactat ttcactggtt acctaatgcg
                                                                   1740
aggatatgca cccaatcgaa acaaagatag caagtggtac atgccaccag acctctaccc
                                                                   1800
aagtgagcgt tatcctgtct tctgttctgg aactggttat gttttttctg gagatctggc
                                                                   1860
agaaaagatt tttaaagttt ctttaggtat ccgccgtttg cacttggaag atqtatatqt
                                                                   1920
agggatetgt ettgecaagt tgagaattga teetgtacee eeteccaatg agtttgtgtt
                                                                   1980
caatcactgg cgagtctctt attcgagctg taaatacagc cacctaatta cctctcatca
                                                                   2040
gttccagcct agtgaactga taaaatactg gaaccattta caacaaaata agcacaatgc
                                                                   2100
ctgtgccaac gcagcaaaag aaaaggcagg caggtatcgc caccgtaaac tacattagaa
                                                                   2160
aagacaattt tttttcaaat gtgcaatttg taaatattgc taaaagcatg tatagttaga
                                                                   2220
actgattaca teegtaggae aagttttagt taaaaeteat eacataaaga aatteaagaa
                                                                   2280
gtatttttt aatttctgaa gaagttaatt cttaaaacta taacattata taacaaaaaa
                                                                   2340
ggtttcccaa aacaatctat ttaaaaaact gtataaggag attctgtgta ttaacatgca
                                                                   2400
                                                                   2402
```

```
<210> 7066
<211> 4088
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (44)...(3709)
<223> similar to gi4589656 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 7066 tttcgtgcct gactgctcgg ttaggacctc ggagagcgcc aggcgccgcg accagagggc 60 ccagagaage ggccggagce cgcctacctc ggccccctca gcttcccggg ctggcaggcg 120 gctagaggcg tctgaggaag tgtttaaaat gaagaagttt aatttccgaa aagttttgga 180 tggcttaact gcctcctccc ctggcagtgg tagcagcagt ggcagtaaca gtggtggtgg 240 ggctggaagt ggttccgtac atccggcggg gactgcaggg gttctcagag aggaaattca 300 ggaaactttg acttcggagt atttccagat ttgcaagaca gttcggcatg gttttcctca 360 teageeeaca geattageet ttgateeagt teagaaaate ttggetattg ggaegagaae 420 aggtgctata cgaatactcg ggagacctgg tgttgattgc tattgccaac atgaaagtgg 480 tgcagctgtc ctacagctcc aatttttgat caatgagggt gccttggtca gtgcaagttc 540 agatgataca cttcatttgt ggaaccttag acaaaaaagg ccagccatac tccattctct 600 taaatttaac cgggaacgaa ttacttactg tcatctacct ttccagagta aatggcttta 660 tgttggaaca gaaagaggaa atacacatat tgtaaatatt gaatctttca ttctttctgg 720 atatgttatc atgtggaaca aggcaattga actatccact aagactcatc caggtccagt 780 tgtacattta agcgatagcc caagagatga aggcaaactg ctaataggtt atgaaaatgg 840 tactgtagta ttctgggact tgaaatctaa aagagcagaa ctgagagttt attatgatga 900 ggctattcat tcaattgatt ggcatcatga gggcaaacag ttcatgtgca gccattcaga 960 tggtagtttg actttatgga acctgaaaag cccaagtcgc cctttccaga ccacaattcc 1020 acatggaaaa agtcaaagag aaggaagaaa atctgaatct tgtaaaccaa ttcttaaagt 1080 agaatacaag acctgcaaaa acagcgaacc attcataata ttctctggtg ggctgtccta 1140 tgacaaagct tgtagaagac caagtttaac catcatgcat ggaaaagcaa ttacagtact 1200 tgaaatggat catcctattg ttgaatttct aactttatgt gaaacgccct atccaaatga 1260 atttcaagaa ccctatgctg tcgtggtact tctggagaaa gatctcattg tagttgatct 1320 gacacaaagc aattttccaa tctttgaaaa tccatatccc atggacattc atgaatcacc 1380 agttacatgc acagcatact ttgcagattg tecteeggat ttgattetag tactgtatte 1440 tataggagtc aagcataaaa aacaaggata cagtaataag gagtggccaa tcagtggagg 1500 agcttggatc cttggagcac aaacatatcc agaaattatt attactggtc atgcagatgg 1560 atcaataaaa ttttgggatg cttctgcaat aactctgcag atgctgtaca agctaaaaac 1620 ttcaaaagtg tttgaaaaac agaaggtagg agaaggaaaa caaacatgtg aaattgtaga 1680 ggaagaccca tttgccattc agatgattta ctggtgtcca gagagcagaa tattctgtgt 1740 atcaggagtc tctgcatatg tcataattta taaattcagc agacatgaaa ttacaacaga 1800 aatagtgtca ttagaggtac gacttcagta tgatgttgaa gatattatta cccctgaacc 1860 agaaacaagt cctccgtttc cagatctctc agcccagctt ccttcttcaa ggagtctttc 1920 tgggagcact aacactgttg ctagtgaagg agtaacaaag gacagtattc catgcctcaa 1980 tgtgaagaca cggccagtgc gaatgcctcc aggatatcaa gcagaacttg ttattcaatt 2040 ggtgtgggta gatggtgaac ctccacaaca gattactagt cttgctgtaa gctcagcata 2100 tggaatagtt gcatttggga actgcaatgg gttggctgtg gtggatttta tacagaagac 2160 agtactgtta agcatgggga ccattgacct atatagatca agtgacttat accagcgaca 2220 accacggtct cctcgaaaaa acaaacagtt cattgcagac aacttttgca tgcgtggcct 2280 gtctaacttt tatcctgatt taacgaaacg gatccgtact tcctatcaga gtttaactga 2340 actgaatgac agtccagttc ccctagaact tgagcgctgc aagtctccta cctcagacca 2400 tgtaaatgga cactgcacaa gtccaacttc tcagagttgc agttctggaa aacgtctttc 2460 tagtgccgat gtttcaaaag taaatcgctg gggtcctgga agaccaccat ttcgaaaggc 2520 ccagtcagca gcctgcatgg agatttcttt accagttaca acagaagaaa accgagaaaa 2580 ttcctataat cgttctagaa gctctagtat ctccagtatt gacaaagatt ctaaagaagc 2640 aattacagca ctatacttca tggactcctt tgcacggaaa aatgactcta ccatctctcc 2700 ttgtctgttc gttggaacca gtctgggaat ggtgttaatc atctccttaa acctaccatt 2760 agcagatgaa caaaggttta cagagccagt catggtattg ccaagtggta cattcctctc 2820

```
attgaaagga gctgtgctaa cattctcctg tatggaccga atgggtggat taatgcaacc
                                                                    2880
gccatatgaa gtttggaggg atccaaacaa catagatgaa aatgaaaaat cttggagaag
                                                                    2940
gaaagtggta atgaactcat cttctgcatc ccaagaaata ggagatcatc agtatacaat
                                                                    3000
aatctgctca gaaaaacaag ccaaagtctt ctcactgcct tctcagactt gcctttatgt
                                                                    3060
tcataacatc acggagacat cttttatact gcaaqcaaat gtggtggtca tgtgtagcag
                                                                    3120
tgcctgcttg gcatgctttt gtgctaacgg acatatcatg ataatgagcc tacctagtct
                                                                    3180
tegeceaatg ttggatgtta attatttgce actgacagae atgaggatag cacgaacatt
                                                                    3240
ttgttttacc aatgaaggac aggcattata cctcgtctct cctactgaaa ttcagcggtt
                                                                    3300
aacatacagc caagaaatgt gtgataatct acaggacatg ctaggagatt tgtttactcc
                                                                    3360
catagagaca ccagaagctc aaaacagagg ctttctcaag ggactgtttg gtggaagcgg
                                                                    3420
acaaacattt gacagagaag agctctttgg ggaagcttcg gcaggaaaag catcccgcag
                                                                    3480
ccttgcgcaa cacattcctg gaccaggtag tatagaaggg atgaaaggcg ctgctggagg
                                                                    3540
ggtgatggga gagctgaccc gtgcacggat tgcacttgat gaaagaggac agaggctagg
                                                                    3600
agagetggaa gagaaaactg caggeatgat gaccagtgea gaageatttt ccaaacatge
                                                                    3660
acatgagtta atgctgaaat acaaggataa gaaatggtac caattctgac ttctaaagaa
                                                                    3720
gctgtgactg ctttgagaaa tcatattcag ggaaaccaaa tttattccca gcatcactat
                                                                    3780
tcaactgcta gaagccagtt tcttctacaa aatgttccat ttacagtcaa tctgaaattt
                                                                    3840
tcataaaaga gatgtatcag agacactgtg caacccaaag gctggagccc tggttaaaat
                                                                    3900
cccaaaatac ggctgaattt gccttttccc atgtggaatg gagctatcat cttggcatgt
                                                                    3960
cattcgataa ggatttatat ttagtaacta cggggagtcc tcttgatttg aaaattcctg
                                                                    4020
tacaaacaaa agcattaatg cacttaatga aaaaaaatct ttgcatgata aattaacatc
                                                                    4080
ttaagggg
                                                                    4088
```

```
<210> 7067
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (619)...(147)
<223> similar to gi3810855 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7067
ttttttttt ttaaaatctt ttctgtcaca cacagatgaa ctttaataaa ttacaaatgc
                                                                       60
acctgaaaat gccttcttga tttcctttca gtttaggcct caaatgggct ctcctcaagg
                                                                      120
ctggacctca aaggcccagt ttgggccttc gcaaatgtct ctaacccttg acttagagtt
                                                                      180
tgaagattca ttccattctg gatgtgaatg caggtaacac ccagtttgct gacqtctaca
                                                                      240
atatteegee teteateate aaagaagate atetgggaga aaggaattee agtettetge
                                                                      300
tgcaacctct caaagtgtgt gatcttgctg cctggataga tttcccgatg aacaaagtac
                                                                      360
ctgaagaggt caaagagete cagtagetgg ttggcccett ctateteact tqtccttgaa
                                                                      420
geageegeae egggeaeece aaggetetge aategtttta ggaeeteagg caeetetggg
                                                                      480
tacagtcgga cgtcttggcc ccgcctatct cgtacagttc catcactgct cttatggaac
                                                                      540
ggagggtcta cgtgcgtgtc gacccagaaa ggccagagag tgtaatccaa atcaaaqact
                                                                      600
gccagetteg gtageegege catgaceege acegeagget gegegeagea gaggtgggge
                                                                      660
ttcacceggg gccttagaga gtgcggaacc tccggcagct aaggcagcca ccctgcctgc
                                                                      720
catagacaaa tggcggccg
                                                                      739
```

```
<211> 869
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (60)...(410)
     <223> similar to gi433076 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7068
agegegagee geegeegeea teaetgeege tgeeaagtee teeaeceget geeceegeea
                                                                       60
tgtctgctac cgctgccacg gcccccctg ctgccccggc tggggagggt ggtccccctg
                                                                      120
caccccctcc aaacctcacc agtaacagga gactgcagca gacccaggcc caggtggatg
                                                                      180
aggtggtgga catcatgagg gtgaacgtgg acaaggtcct ggagcgagac cagaagctgt
                                                                      240
cggagctgga cgaccgtgca gatgcactcc aggcgggggc ctcccagttt gaaacaagcg
                                                                      300
cagccaagct caagcgcaaa tactggtgga aaaacctcaa gatgatgatc atcttgggag
                                                                      360
tgatttgcgc catcatcctc atcatcatca tagtttactt cagcacttaa atccccgagg
                                                                      420
agtotgooot gootagagaa gggoototoo cocaaccoto agcogttoot coacctotoa
                                                                      480
gccatatett teageceece eteceetgga teegtgtgtg tgtgtgteeg tgtgtgte
                                                                      540
cccctgtaaa tagccagctg ttatttatac atatataata ttatatatat ttggtctgtt
                                                                      600
tgtagtttta ttactagatg atttttccgg ttgtccttaa caccccttcc tgaggttccc
                                                                      660
ttcacccctc tctcttgcct tccttccctt tccctttctt cctgactagc cccaagtccc
                                                                      720
ttcatttgca tctgctatgc aatagtccct ctcctttcct tcttctccc tcagatttag
                                                                      780
ctgatccttc ctcccaccct ggccttcctt tcctctttcc tcctcactct ccccgtcatg
                                                                      840
ctccctctgc cccgccctca aaaaaaaaa
                                                                      869
     <210> 7069
     <211> 1064
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (282)...(1067)
     <223> similar to gi4127986 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7069
gagagcgcct cattgccact gcagtgacta aagctgggaa gacgctggtc agttcacctg
                                                                       60
ccccactggt tgttttttaa acaaattctg atacaggcga catcctcact gaccgagcaa
                                                                      120
agattgacat tcgtatcatc actgtgcacc attggcttct aggcactcca gtggggtagg
                                                                      180
agaaggaggt ctgaaaccct cgcagaggga tcttgccctc attctttggg tctgaaacac
                                                                      240
```

<210> 7068

```
tggcagtcgt tggaaacagg actcagggat aaaccagcgc aatggattgg gggacgctgc
                                                                      300
acactttcat cgggggtgtc aacaaacact ccaccagcat cgggaaggtg tggatcacag
                                                                      360
teatetttat ttteegagte atgateeteg tggtggetge ceaggaagtg tggggtgaeg
                                                                      420
agcaagagga cttcgtctqc aacacactqc aaccqqqatq caaaaatqtq tqctatqacc
                                                                      480
actititicce ggtgteecae atceggetgt gggeeeteea getgatette gteteeaeee
                                                                      540
cagcgctgct ggtggccatg catgtggcct actacaggca cgaaaccact cgcaagttca
                                                                      600
ggcgaggaga gaagaggaat gatttcaaag acatagagga cattaaaaag caqaaqqttc
                                                                      660
ggatagaggg gtcgctgtgg tggacgtaca ccagcagcat ctttttccga atcatctttg
                                                                      720
aagcageett tatgtatgtg tittaettee titacaatgg gtaccaeetg ceetgggtgt
                                                                      780
tgaaatgtgg gattgacccc tgccccaacc ttgttgactg ctttatttct aqqccaacaq
                                                                      840
agaagaccgt gtttaccatt tttatgattt ctgcgtctgt gatttgcatg ctgcttaacg
                                                                      900
tggcagagtt gtgctacctg ctgctgaaag tgtgttttag gagatcaaag agagcacaga
                                                                      960
cgcaaaaaaa tcaccccaat catgccctaa aggagagtaa gcagaatgaa atgaatgagc
                                                                     1020
tgatttcaga tagtggtcaa aatgcaatca caggtttccc aagc
                                                                     1064
```

```
<210> 7070
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (92)...(247)
<223> similar to gi4689138 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<210> 7071

<211> 2872

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(2873)

<223> n = a,t,c or g

<220>
```

```
<221> misc_feature
<222> (2798)...(2383)
<223> similar to gi4884268 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters
```

<400> 7071 ccaagccaaa gcctgcaact tactttaaaa aagaaaagga aaaaaagcac ttaggaaagt 60 tacagacaac tacccccaaa aaataccctc ccacacacaa aatccaaacc gtttcctcat 120 ctccctcccg cctcccccga cacaatacag tttcctgttt tctttctttt taaaaacgtt 180 gcctgctacc tctccatttg ggaagcccag ggcatgactg ctggtgggtg gtgacaggca 240 cacageggge aaageceate tttggccaga gggaggtggg aggaceagte cetgccacat 300 cctcaatcca cagacaccca ccagccagcc tttactttgg gcctcccact agagggtagt 360 ggggcaagaa caggtggtcc caatggctgg gcaatcagca cttctggcgt tcccacctqq 420 actaceteta taccettete caattaaaag gaaagtetea etttgggeeg ggaaaceaet 480 attacataaa gggatggaca cttacacatt ttagaatgtg ggacacttgg tttagggcag 540 tgggaactta taaagatagc agccagtttt cttccttgcc ttctcctgaa gggtaatcct 600 ecetettaet gaetgaaget etggtteeag etetgeteat gggeaatgee tggetttaea 660 gttataaggc tgtgctatgg actagctgct gactcagctg gcagctggcc cttcctccga 720 aggagaggac gtgttggggc atggcttact gggcctggcc taccattccc acagggaacc 780 aacgagggag tgagcctgtg agactcagct tgccaccttg gccaccacgt gctgccctca 840 tcacaaaaac cacaccaacc actccgaaac gtatctgctg gtcaggagca gggaggctgt 900 ctggctggct gagggataag gcgcagtgca acggaaggga tcaggaagcc tgagaggagc 960 caggtacaca cagctgctct gggcagctgc cctcttagtc tcttccacct caaggagcca 1020 aagcaaaccc caggetecag ggacagagga taaactgeet teattecagg ceetegetet 1080 ggaaaaaggg gtgacgggta gcctaggcct ctgaggaacc agtctgtcat caatctttgc 1140 aaagcaaagc tgttcttttt ccaactttat tcagaatgtt ctgccttcaa qqtactqatt 1200 gcacacagga aatgtaccag gtatagttac tgagctgggg ccaccaatgg agatggagca 1260 ctgcagaccc ctaagagttc aagccatgct ggagtgggaa gacctatcca ccttctgaac 1320 atacgaggca gaaggctcag agtcctggag gcagactctc tcctggtttt ccttgtgctg 1380 atggcaaaat actaaacaag tettetetee gteaetteta ageceaggga tgcaatetea 1440 ctccctggca ctctgctttc ttctagaagt agtaagcctg gctggtaggg aaccaccctg 1500 aggggtatgg gaaggggaag tcggttcact ttccctatct cccaaaatac tagaggtggg 1560 gttggcaccc tccccaggct ctccgagcct acagagctag cccagtctcc aggcaaggcc 1620 cagatgccct gggacttagc tcggggaggg aggtataggc atggggtgct cgtctgtcct 1680 ggcggctgca gagccctgcc ccttttctgg gcggcagtag gaatacagaa gctaagctca 1740 ccaaaatcct attggttaat gtttctagtg aatttcccag aaacattttt aagtagacta 1800 ccaaactacc ctttcttaat taaaaattca ttaaaccact aaaacccctc ccatgcactt 1860 tttcttgcaa atcagatatt tgtataaaca aacaaaaata ggaagaaaaa aaaaagaaag 1920 gatattttca aatggaactt actttttaag tgatggagac atgcacttgg gggtgggtgg 1980 gtgtgagttt tcatttgtgt tttgaaatcc caaattaatg agcatgataa actgttattg 2040 ctggcactgg ctttacccca agtggccaag tggcactgtc tgactctctg agtccttgct 2100 gggtcccccc aaccttcccc taacccccac cctttccctt tccattgact tgggacagcc 2160 2220 gttcaaggtc acagtgggcg gagcaagggg gatcacagtg caagtaagtc aggtcgttcc 2280 ctctgctcaa gtccagctgt ctgccacggc agtgcaaccc gtggcggacg acccaggagg 2340 cggtgacggc agcaacggcg gcatcttttc ttgcctgcat ttatctgcgc tgtttgaagc 2400 cttgagaccc atcaggaccc aaaggctgtc tgatcacatt attgggctgc ctgctgtctt 2460 cgggttggga gatcctggtt ggcctgtcga ggatgggttt ctcctgctcc tcctcggggc 2520 tggcgctgcc caggatccgc ttccgggcct cggcgtactc ggcctctcgc tgtgctaggg 2580 acttgactgg aagggtgggc ctgctggtgg agttggggct gctgaccaca ccgttgctgg 2640 tgggcctett gaggatgegg atetgtggag ggggeeeege gggaaggeta tegteetgaa 2700 tcacaatggg cactttggga ggagatttgg atttcctgcc cgctgtctgc cgcctcttcc 2760 cageteteag egaceteete atetteeate ttaetegggg egtttgeeet naatttengg 2820 ngcngttgct cngncannct aggnntactc agtttnngga agctgggnac ct 2872

```
<211> 551
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (47)...(427)
     <223> similar to gi710295 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7072
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                                                                       60
ggcgccgcag aaagacagga agcccaagag gtcaacctgg aggtttaatt tggaccttac
                                                                      120
tcatccagta gaagatggaa tttttgattc tggaaatttt gagcaatttc tacgggagaa
                                                                      180
ggttaaagtc aatggcaaaa ctggaaatct cgggaatgtt gttcacattg aacgcttcaa
                                                                      240
gaataaaatc acagttgttt ctgagaaaca gttctctaaa aggtatttga aataccttac
                                                                      300
caagaaatac cttaagaaga acaatcttcg tgattggctt cgagtggttg catctgacaa
                                                                      360
ggagacctac gaacttcgtt acttccagat tagtcaagat gaagatgaat cagagtcgga
                                                                      420
ggactaggca aaggeteece ttacaggget ttgettatta ataaaataaa tgaagtatae
                                                                      480
atgagaaata ccaagaaatt ggcttttagt ttatcagtga ataaaaaata ttatactctt
                                                                      540
gaaaaaaaa a
                                                                      551
     <210> 7073
     <211> 4820
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (581)...(2551)
     <223> similar to gi1098569 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7073
cctcaggatg cactgttgcc agtcagcgtt actcatttta ttccctaggg aacagtgggt
                                                                       60
ttggtagaac tctcttctaa atctcttttt catagaattt aaattataaa ttggtcattt
                                                                      120
actgttgtca cacaatattg cgttgctgaa ttttccactg attatattca ttttatttcc
                                                                      180
tcccagaact tggtttcttg tttttctgct cactgtccac acccactcca ccccaaggct
                                                                      240
ggaataattc tcttggagca aaaaaatcat ctttttcttt gtatttcatt qaacqttctc
                                                                      300
tttacagtgt taggtaaacc gctgctgcgc gttttgtccc gcgtctcqcc ccqtccqtct
                                                                      360
cctgactggc cgctcttgtc cttcctcccg ctttttcttc tctcgtcttg cggtctgaag
                                                                      420
```

<210> 7072

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                                                                      480
gtegggtate teegggagtg aggeggeege gggageeggg geegeegege eggettetea
                                                                      540
gcaccecgca accggcaccg gcgctgtcca gaccgaggcc atgaagcaga ttctcggggt
                                                                      600
gatcgacaag aaacttcgga acctggagaa gaaaaagggt aagcttgatg attaccagga
                                                                      660
acgaatgaac aaaggggaaa ggcttaatca agatcagctg gatgccgttt ctaagtacca
                                                                      720
ggaagtcaca aataatttgg agtttgcaaa agaattacag aggagtttca tggcactaag
                                                                      780
tcaagatatt cagaaaacaa taaagaagac agcacgtcgg gagcagctta tgagagaaga
                                                                      840
agctgaacag aaacgtttaa aaactgtact tgagctacag tatgttttgg acaaattggg
                                                                      900
agatgatgaa gtgcggactg acctgaaaca aggtttgaat ggagtgccaa tattgtccga
                                                                      960
agaggagttg tcattgttgg atgaattcta taagctagta gaccctgaac gggacatgag
                                                                     1020
cttgaggttg aatgaacagt atgaacatgc ctccattcac ctgtgggacc tgctggaagg
                                                                     1080
gaaggaaaaa cctgtatgtg gaaccaccta taaagttcta aaggaaattg ttgagcgtgt
                                                                     1140
ttttcagtca aactactttg acagcaccca caaccaccag aatgggctgt gtgaggaaga
                                                                     1200
agaggcagcc tcagcacctg cagttgaaga ccaggtacct gaagctgaac ctgagccagc
                                                                     1260
agaagagtac actgagcaaa gtgaagttga atcaacagag tatgtaaata gacagttcat
                                                                     1320
ggcagaaaca cagttcacca gtggtgaaaa ggagcaggta gatgagtgga cagttgaaac
                                                                     1380
ggttgaggtg gtaaattcac tccagcagca acctcaggct gcatcccctt cagtaccaga
                                                                     1440
gececaetet ttgaeteeag tggeteagge agateeett gtgagaagae agegagtaea
                                                                     1500
agacettatg geacaaatge agggteeeta taattteata eaggatteaa tgetggattt
                                                                     1560
tgaaaatcag acacttgatc ctgccattgt atctgcacag cctatgaatc caacacaaaa
                                                                     1620
catggacatg ccccagctgg tttgccctcc agttcattct gaatctagac ttgctcagcc
                                                                     1680
taatcaagtt cetgtacaac cagaagegac acaggtteet ttggtateat ecacaagtga
                                                                     1740
ggggtacaca gcatctcaac ccttgtacca gccttctcat gctacagagc aacgaccaca
                                                                     1800
gaaggaacca attgatcaga ttcaggcaac aatctcttta aatacagacc agactacagc
                                                                     1860
atcatcatcc cttcctgctg cgtctcagcc tcaagtattt caggctggga caagcaaacc
                                                                     1920
tttacatage agtggaatea atgtaaatge ageteeatte caatecatge aaaeggtgtt
                                                                     1980
caatatgaat gccccagttc ctcctgttaa tgaaccagaa actttaaaac agcaaaatca
                                                                     2040
gtaccaggcc agttataacc agagcttttc tagtcagcct caccaagtag aacaaacaga
                                                                     2100
gcttcagcaa gaacagcttc aaacagtggt tggcacttac catggttccc cagaccagtc
                                                                     2160
ccatcaagtg actggtaacc accagcagcc tectcagcag aacactggat ttecacgtag
                                                                     2220
caatcagccc tattacaata gtcgtggtgt gtctcgtgga ggctcccgtg gtgctagagg
                                                                     2280
cttgatgaat ggataccggg gccctgccaa tggattcaga ggaggatatg atggttaccg
                                                                     2340
cccttcattc tctaacactc caaacagtgg ttatacacag tctcagttca gtgctccccg
                                                                     2400
ggattactct ggctatcaac gggatggata tcagcagaat ttcaagcgag gctctgggca
                                                                     2460
gagtggacca cggggagccc cacgaggtcg tggagggccc ccaagaccca acagagggat
                                                                     2520
gccgcaaatg aacactcagc aagtgaatta atctgattca caggattatg tttaatcgcc
                                                                     2580
aaaaacacac tggccagtgt accataatat gttaccagaa gagttattat ctatttgttc
                                                                     2640
tecettteag gaaacttatt gtaaagggae tgtttteate ecataaagae aggaetaeaa
                                                                     2700
ttgtcagctt tctattacct ggatatggaa ggaaactatt tttactctgc atgttctgtc
                                                                     2760
ctaagcgtca tcttgagcct tgcacatgat actcagattc ctcacccttg cttaggagta
                                                                     2820
aaacaatata ctttacaggg tgataataat ctccatagtt atttgaagtg qcttgaaaaa
                                                                     2880
ggcaagattg acttttatga cattggataa aatctacaaa tcagccctcg agttattcaa
                                                                     2940
tgataactga caaactaaat tatttcccta gaaaggaaga tgaaaggagt ggagtgtggt
                                                                     3000
ttggcagaac aactgcattt cacagctttt ccagttaaat tggagcactg aacgttcaga
                                                                     3060
tgcataccaa attatgcatg ggtcctaatc acacatataa ggctggctac cagctttgac
                                                                     3120
acagcactgt tcatctggcc aaacaactgt ggttaaaaac acatgtaaaa tgctttttaa
                                                                     3180
cagctgatac tgtataagac aaagccaaga tgcaaaatta ggctttgatt ggcacttttt
                                                                     3240
gaaaaatatg caacaaatat gggatgtaat ccggatggcc gcttctgtac ttaatgtgaa
                                                                     3300
atatttagat acctttttga acacttaaca gtttctttga gacaatgact tttgtaagga
                                                                     3360
ttggtactat ctatcattcc ttatgacatg tacattgtct gtcactaatc cttggatttt
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gctgtattgt cacctaaatt ggtacaggta ctgatgaaaa tctctagtgg ataatcataa
                                                                     3480
cacteteggt cacatgtttt teetteaget tgaaagettt tttttaaaag gaaaagatae
                                                                     3540
caaatgcctg ctgctaccac ccttttcaat tgctatcttt tgaaaggcac cagtatgtgt
                                                                     3600
tttagattga tttccctgtt tcagggaaat cacggacagt agtttcagtt ctgatggtat
                                                                     3660
aagcaaaaca aataaaacgt ttataaaagt tgtatcttga aacactggtg ttcaacagct
                                                                     3720
agcagettat gtgattcace ceatgecaeg ttagtgtcae aaattttatg gtttatetee
                                                                     3780
agcaacattt ctctagtact tgcacttatt atcttttgtc taatttaacc ttaactgaat
                                                                     3840
```

```
teteegttte teetggagge atttatatte agtgataatt cetteeetta gatgeatagg
                                                                 3900
gagagtetet aaatttgatg gaaatggaca ettgagtagt gaettageet tatgtaetet
                                                                3960
gttggaattt gtgctagcag tttgagcact agttctgtgt gcctatgaag ttaatgctgc
                                                                 4020
ttattgtctc attctgactt catggagaat taatcccacc tttaagcaaa ggctactaag
                                                                 4080
ttaatggtat tttctgtgca gaaattaaat tttattttca gcatttagcc caggaattct
                                                                 4140
tccagtaggt gctcagctat ttaaaaacaa aactattctc aaacattcat cattagacaa
                                                                 4200
ctggagtttt tgctggtttt gtaacctacc aaaatggata ggctgttgaa cattccacat
                                                                 4260
4320
taaaataagt tottgacttt totcatgtgt ggttgtggta catcatattg gaagggttaa
                                                                 4380
ccctgttact ttggcaaatg agtatttttt tgctagcacc tccccttgcg tgctttaaat
                                                                 4440
gacatectge etgggatgta ecacaaceat aatgttacet gtatettaag gggaatggat
                                                                 4500
aaaatatttg tggtttactg ggtaatccct agatgatgta tgcttgcagt cctatataaa
                                                                 4560
actaaatttg ctatctgtgt agaaaataat ttcatgacat ttacaatcag gactgaagta
                                                                 4620
agttcttcac acagtgacct ctgaatcagt ttcagagaag ggatggggga gaaaatgcct
                                                                 4680
tctaggtttt gaacttctat gcattagtgc agatgttgtq aatgtqtaaa qqtqttcata
                                                                 4740
gtttgactgt ttctatgtat gttttttcaa agaattgttc ctttttttga actataattt
                                                                 4800
ttcttttatt ggttatttta
                                                                 4820
```

```
<210> 7074
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (111)...(256)
<223> similar to gi1244410 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

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tgctgataat cagctggaac atcttcgacg agctgctgca cgggttcaag tactccatgc 180
agaatctggc atacacggag tcgcggaccg agcggcaggt gttgggggag cgcatgcagc 240
gagcccccaa ctgaggccc agctaccagc cctgggcggt cgtatcatca gatgctcctg 300
tgcatctcgg ccaacacggg agccagtgcc gcgcaggaat gtggggtccc ctgtgttccc 360
tcgccatagg agcactcggt aaggtcagt agggtccact agaccg 406
```

```
<210> 7075
<211> 5185
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (390)...(2338)
```

<400> 7075 ggtcgggagg acgagcaccg agtcgagggc tcgctcgtct gggccgcccg agagtcttaa 60 tegegggege ttgggeegee atettagatg gegggagtaa gaggaaaaeg attgtgagge 120 gggaacgget ttetgetgee ttttttggge ceegaaaagg gteagetgge egggetttgg 180 ggcgcgtgcc ctgaggcgcg gagcgcgttt gctacgatgc gggggctgct cggggctccg 240 teccetggge tggggaegeg eegaatgtga eegeeteeeg eteceteaee egeegeggg 300 aggaggagcg ggcgagaagc tgccgccgaa cgacaggacg ttggggcggc ctggctccct 360 caggtttaag aattgtttaa gctgcatcaa tggagcacat acagggagct tggaagacga 420 tcagcaatgg ttttggattc aaagatgccg tgtttgatgg ctccagctgc atctctccta 480 caatagttca gcagtttggc tatcagcgcc gggcatcaga tgatggcaaa ctcacagatc 540 cttctaagac aagcaacact atccgtgttt tcttgccgaa caagcaaaga acagtggtca 600 atgtgcgaaa tggaatgagc ttgcatgact gccttatgaa agcactcaag gtgaggggcc 660 tgcaaccaga gtgctgtgca gtgttcagac ttctccacga acacaaaggt aaaaaagcac 720 gettagattg gaataetgat getgegtett tgattggaga agaaetteaa gtagatttee 780 tggatcatgt tcccctcaca acacacaact ttgctcggaa gacgttcctg aagcttgcct 840 tetgtgacat etgteagaaa tteetgetea atggattteg atgteagaet tgtggetaea 900 aatttcatga gcactgtagc accaaagtac ctactatgtg tgtggactgg agtaacatca 960 gacaactett attgttteca aattecaeta ttggtgatag tggagteeca geactaeett 1020 ctttgactat gcgtcgtatg cgagagtctg tttccaggat gcctgttagt tctcagcaca 1080 gatattctac acctcacgcc ttcaccttta acacctccag tccctcatct gaaggttccc 1140 teteccagag geagaggteg acatecaeae etaatgteea catggteage accaeeetge 1200 ctgtggacag caggatgatt gaggatgcaa ttcgaagtca cagcgaatca gcctcacctt 1260 cagccctgtc cagtagcccc aacaatctga gcccaacagg ctggtcacag ccgaaaaccc 1320 ccgtgccagc acaaagagag cgggcaccag tatctgggac ccaggagaaa aacaaaatta 1380 ggcctcgtgg acagagagat tcaagctatt attgggaaat agaagccagt gaagtgatgc 1440 tgtccactcg gattgggtca ggctcttttg gaactgttta taagggtaaa tggcacggag 1500 atgttgcagt aaagatccta aaggttgtcg acccaacccc agagcaattc caggccttca 1560 ggaatgaggt ggctgttctg cgcaaaacac ggcatgtgaa cattctgctt ttcatggggt 1620 acatgacaaa ggacaacetg gcaattgtga cccagtggtg cgagggcagc agcetetaca 1680 aacacctgca tgtccaggag accaagtttc agatgttcca gctaattgac attgcccggc 1740 agacggctca gggaatggac tatttgcatg caaagaacat catccataga gacatgaaat 1800 ccaacaatat atttctccat gaaggcttaa cagtgaaaat tggagatttt ggtttggcaa 1860 cagtaaagtc acgctggagt ggttctcagc aggttgaaca acctactggc tctgtcctct 1920 ggatggcccc agaggtgatc cgaatgcagg ataacaaccc attcagtttc cagtcggatg 1980 tctactccta tggcatcgta ttgtatgaac tgatgacggg ggagcttcct tattctcaca 2040 tcaacaaccg agatcagatc atcttcatgg tgggccgagg atatgcctcc ccagatctta 2100 gtaagctata taagaactgc cccaaagcaa tgaagaggct ggtagctgac tgtgtgaaga 2160 aagtaaagga agagaggcct ctttttcccc agatcctgtc ttccattgag ctgctccaac 2220 actetetace gaagateaac eggagegett eegageeate ettgeategg geageecaca 2280 ctgaggatat caatgcttgc acgctgacca cgtccccgag gctgcctgtc ttctagttga 2340 ctttgcacct gtcttcaggc tgccagggga ggaggagaag ccagcaggca ccacttttct 2400 gctccctttc tccagaggca gaacacatgt tttcagagaa gctgctgcta aggaccttct 2460 agactgctca cagggcctta acttcatgtt gccttctttt ctatcccttt gggccctggg 2520 agaaggaagc catttgcagt gctggtgtgt cctgctccct ccccacattc cccatgctca 2580 aggcccagcc ttctgtagat gcgcaagtgg atgttgatgg tagtacaaaa agcaggggcc 2640 cagececage tgttggetae atgagtattt agaggaagta aggtageagg cagtecagee 2700 ctgatgtgga gacacatggg attttggaaa tcagcttctg gaggaatgca tgtcacaggc 2760 gggactttct tcagagagtg gtgcagcgcc agacattttg cacataaggc accaaacagc 2820 ccaggactgc cgagactctg gccgcccgaa ggagcctgct ttggtactat ggaacttttc 2880 ttaggggaca cgtcctcctt tcacagcttc taaggtgtcc agtgcattgg gatggttttc 2940

3000

caggcaaggc actcggccaa tccgcatctc agccctctca gggagcagtc ttccatcatg

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ctgaattttg tetteeagga getgeeecta tggggegggg cegeagggee ageetttgtg
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ccagcettgt ttetetaaca aacaagggee ageettgttt etetaacaaa caaacaaaca
                                                                   3120
aacagccttg tttctctagt cacatcatgt gtatacaagg aagccaggaa tacaggtttt
                                                                   3180
cttgatgatt tgggttttaa ttttgttttt attgcacctg acaaaataca gttatctgat
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3300
tacctccttt taaagtaatt ctgageteac aacttgaatg ccccatttgt teaccetett
                                                                   3360
caggagcaga attcaagaac aggaaatgtg cccagagcct aggctgggaa tgaatttqta
                                                                   3420
atttaacctt tgtactcttt gtaaacctct actgaagagt taagtataaa aattaattaa
                                                                   3480
gcagaaagta ctctaaactc agctaatacc ttaagtaata cattttataa actatttatt
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caagetagtg ctggttcaca aggttatgct caccettcaa ttaaaatcaa aatgactaca
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agacttgcca tcagctctct tcaggaccac tgctgggtca gaatcagaaa ccttgggtgc
                                                                   3720
catgaaattt ttacaaaatt tcaaatcaaa gccaggcttt gcagctagat aatagatcac
                                                                   3780
ttgagtacga accacacatg taagtgcacg tatatttgag ttctcaatac aattaccctq
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atgggcaaga acccacaggt gagagcagag gcttggttcc cctagagggc cctggctgga
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ggccccaaca ccaaccagac gacaggaggg ccagactgct acccagtact gtacctcctg
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ctccttcaag agcctcccta agggaqaaqa aqatctatac ttccactttq tttqctqcac
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atgtggcaac aagattgcta ccctgatttg ggacacttga gagaacttga aaaaaatgac
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caccettaaa geeetagaaa aaagttgtat gtttgttaac agetatgetg egeteaettt
                                                                   4140
gcattgtgtg ttcttgaaag ctctgtataa atcaaaattt tgacqacaca ctaaatacac
                                                                   4200
tagagaaata cactatagag gaatcetttt atagggetga agacteettt ggtaagaaaa
                                                                   4260
atatgctgca ttaggggcag ctgcaagttt actatttctg gggaagaaaa gatcaaagat
                                                                   4320
aagagccagg tttgtttttt aaagcaatca atccaaacag tttgggtgtt tgttagttgt
                                                                   4380
tacccctgag gggcttgagg tgtaactata tcagctataa aaatagcaat tccatacatt
                                                                   4440
taattaggtt actttatatc tttcactctt ccccatggct gtaataatgg agattgaatg
                                                                   4500
agactaaggc taagegcaac tecaeteaaa tecaagteae aegteaeett gggetgeagt
                                                                   4560
acagggaagc tccgcacacc ctggcttggg aaagtttcgg ccgatggagc ccaagatgca
                                                                   4620
gggcaaccat ctaactcttt agggttctga tgaattccca ctccagaaag gtgcatgaaa
                                                                   4680
gaggtccccg agctctgtca tgtcgacatc ttcattgttg gggacatgcc ggctttctcg
                                                                   4740
gttctcgatg aaatcccaga gccgcacttg aattaaagaa cctcacagtg gccttgagaa
                                                                   4800
cttgagctgt ttccgaggtt tctcaggctc tgctaagccg cccatcgggg taagcatggc
                                                                   4860
gataaagaca tttgcttcca aatgggcagg tccccttgcc ttgctcaaag tatttacagg
                                                                   4920
cttttttccc catcccctgg tttgaaagct tcaatcaact cgttcttttt attctgatct
                                                                   4980
tecacecaat acacaettgg aattacaaae tetgatatea caeggeatte tggacaagae
                                                                   5040
ttaatgattg ggttttcaaa ctgtttggca caccgccact gccggatgca ggacaaacag
                                                                   5100
tacgtgtgat tgcaattgga gagaatccca aatctcctct cagaagcaga ggccttctcc
                                                                   5160
aggatcactt ccatgcagat actgc
                                                                   5185
```

```
<210> 7076
<211> 3002
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2736)...(2344)
<223> similar to gi3041852 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7076

		ggaaaaatta				60
		aattctccta				120
		gaagtgggac				180
		gagagcccca				240
		aaataaaaaa				300
		ctttagttta				360
		ttcttagagt				420
		ctttttgtca				480
		ggttaaaata				540
		cagtggttta				600
		ctagcatacc				660
		ctaaatggta				720
		catctgaacc				780
		atgctgcttc				840
		tctaccttca				900
		atccttcaca				960
tgggaatctg	cactgatttc	tgtagttgct	ggaggaatca	gggcaatact	ctgagggttc	1020
		gatgttgccg				1080
ccagctgagt	caggatcact	agatgaggga	cagaaatcac	ttcttgcctc	actgagaggg	1140
tgtgagctca	gggtgtcagt	tgaaaatggg	tcattctctg	ctcctagtct	catgaggctg	1200
tcaccaagtt	ccaaaagctc	agagctgctc	aatgcagccc	gagggctatc	tgtatttctg	1260
gggacagagt	ccagcctgga	aggtaaagaa	gtgcctatcg	cacctaagga	tgcttcatta	1320
ctgaggaagt	ctctagtttc	ttcatcgagg	gccagcccag	actcttgcag	tgataactgt	1380
attgcaagaa	gtatattggg	atcgtcttca	tccaaggaac	tcagagcctg	aagagagtcc	1440
		aggggtgtag				1500
		ggatgtgcca				1560
		tggctcatca				1620
		tctgtgcctc				1680
		ttcccaatcc				1740
gcttctggtg	agtctgcagg	agctactccc	cgagccacag	atgccaggaa	ttcttgcctc	1800
ttctgctgta	caaggcatgc	tgctttgatg	atcttgtggc	ggggtgtgcg	aaggtaaggc	1860
ctattgactt	tctgggcaag	gtcttcagtg	accatttcta	ggtctgtttg	cattagttca	1920
aaaatttctt	tctttgtgct	tttaggttcc	aagaaaaatc	catatggata	agaacacttg	1980
		gagcacatga				2040
		gagagetetg				2100
ttaagaaggc	gttgttctag	ctgataacta	tgctcatggt	ttttaaatct	tgtataatag	2160
		ctgaaatcgt				2220
		gtgttgaatg				2280
		ttttttccac				2340
ttgcacttag	cacactgcat	gtgattgcag	ccttcattct	tctgtattgg	agacttacag	2400
ttggcacaag	gcttggagtt	agttaataac	cagagacaat	tggcggcatc	ctcgtaggct	2460
tcactaactc	ccacaagttc	ttctggtttc	atttcggtta	ttttttgcag	ccaattcttc	2520
catgtttggc	agtcacaagg	ctcatgtgct	tcaccaaggc	actcccagca	gaagaggtgt	2580
ccttttccac	aatcaacagc	aggagctctc	agcaatggga	agctgagtgt	atcagatcca	2640
gatgtatttg	acccttgttt	cgttagtctt	actgctctgt	cacagcctgg	agtaggacac	2700
catttaatgg	caggattatt	ttcaacaaag	gccttaatat	caaactgtag	gtatcgtttq	2760
tccatctcct	ttgaaactac	actttttatg	atatccccag	gtacaagttq	gaagcaatca	2820
tatgcagggc	aaaaaatgtt	gtgagcttcc	ccttcttgaa	ttttcagatt	caaaaaccta	2880
ttaaaatgga	tcaatgccct	tccccgagc	aaggatatta	agttatgcgt	gcattataaq	2940
gattttccat	tttctttcct	ttttttgtta	gagacaggca	tcgtgtcacq	caaqtcqtaa	3000
tc					- -	3002

```
<211> 1868
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1797)...(658)
<223> similar to gi31221 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 7077 ttttttttt ttcagccata gacacatctc tatatttata tattagacgg gtcagggagg 60 tggcaggggc gccgggctct ccacgccccc cagctccact tctgctcacc acacacagaa 120 gcagcgaggg cacgcgaagt gacagctttg acagggaggg gattcggccc ggcctggctc 180 ctcagggatg ctagcccttg agactaagga atgttccttc agggaaacta gggtggggtt 240 tgaatgagat gaggggggca ggcatggccc tgagtcccta ctcagcgccc cccaccctcc 300 acctetgece tteageaggt tggggeagee agaaccette catteeaqaa etqeeaqaqa 360 ctgggacgct ggggaaggta agggcgcagc agcagcagca gcgggagatt gaactggggc 420 cacctgaget ceegaggeee egtggggagg gegggtgggg aggagaagge ettggeettg 480 gcctgcctga agctggaggc ctcagcaaag gagagaggtg gccaggccca tgctccaccc 540 cggcctgggc tgccaaggtc cgggctgggc acagtgtcca ttttctaaca gtctggcqqq 600 agaggggcag gcaggaggca ggtccaggcc ccagggtgca gagatgtctq tctqqqctaq 660 ggggcctcca gcactccggg ctggaagcgt gctgtctcct ggaagatgag ctccttcagc 720 cgctccttag gtaggtcatc cagctccatg gcgaaggtga agggctcctc ggccactggc 780 teatecgteg ggteatagta etgeteeagg taggggtgag ceagegette etceactgtg 840 atccgtttat tggggttaaa ggttaacatc cggtccagca ggtcaagggc tttggagtct 900 gacttgggga aaagcttggc ccaagccacc ttggtcttgg agggcagaga ctgtaggtag 960 tttcgggcct tcatgttgat gatacaattc aggtcctcct gggatgggga gcccaggatg 1020 cccagaatgt ggttgagctg atccaggtag tgcttgccag ggaagatggg ccggttagag 1080 agcatctcag ccagaatgca gcccacagac cagatgtcga tggacttggt atagcccttg 1140 gagttcagca tgatctctgg ggcccggtac cagcgcgtaq ccacatactc cqtcaqqaaq 1200 ccggtgtggt catgctcagg atcggcaatc cgggccaggc cgaaatcaca aatcttaagg 1260 tegeaggtgg tgttgatgag caggttggag ggetttagat eteggtggag caegttggeg 1320 gagtggatgt acttgaggcc ccgcaggatc tggtagagga agtagcagat atggtcattq 1380 ctcagctgct ggcttttcag caacttgtac aggtcagtct ccatcagqtc ctqcacaatq 1440 tagacatete teatggette eagggtggae geeegeagaa tgteteggat geegatgaea 1500 ttctcatggc ggaagcgcag caggatctgg atctcccgga gcgtgcgctg gcagtaggtc 1560 tgatgttcga aggggctgat cttcttgatg gccacgcgag tcttgcgcac gtggtcatag 1620 gccgagctga ccatgccgta cgcgccctcg ccgatgtact gcaactgcgt gtagcgcggg 1680 cccacgtega acggetgece etteaceate tecacetece ecgggacece egggecgace 1740 ccctcggttc tacggggctc cccgccccg ccccctgag ccgccgccgc cgccatctcc 1800 actecegety etgetgetge tgetgttget geegetgeee tetggggeee eggeggegee 1860 gaggaacg 1868

```
<210> 7078
<211> 1945
<212> DNA
<213> Homo sapiens
```

<220>

```
<221> misc_feature
<222> (113)...(1005)
<223> similar to gi4680693 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 7078 ctcctcctgg gctgggcccg cggtgtctcg tcccctcgcg gagccgctcc tgccgccgcc 60 120 geogeoget ceteatteat cetegtgeac cataggegge acaggeacca agatgtecaa ccgagtggtc tgccgagaag ccagtcacgc cgggagctgg tacacagcct caggaccgca 180 gctgaatgca cagctagaag gttggctttc acaagtacag tctacaaaaa gacctgctag 240 agccattatt gcccccatg caggatatac gtactgtggg tcttgtgctg cccatgctta 300 taaacaagtg gatccgtcta ttacccggag aattttcatc cttgggcctt ctcatcatgt 360 gcccctctct cgatgtgcac tttccagtgt ggatatatat aggacacctc tgtatgacct 420 480 tegtattgac caaaagattt aeggagaact gtggaagaca ggaatgtttg aaegeatgte tctqcaqaca qatqaaqatq aacacaqtat tqaaatqcat ttqccttata caqctaaaqc 540 catggaaagc cataaggatg agtttaccat tattcctgta ctggttggag ctctgagtga 600 gtcaaaagaa caggaattcg gaaaactctt cagtaaatat ctagcggatc ctagtaatct 660 ctttgtggtt tcttctgatt tctgccattg gggtcaaagg ttccgttaca gttactatga 720 780 tgaatcccag ggggagattt atagatccat tgaacatcta gataaaatgg gtatgagtat tatagaacaa ttagaccctg tatcttttag caattacttg aagaaatacc ataatactat 840 900 atgtggaaga catcccattg gggtgttatt aaatgctatc acagagctcc agaagaatgg aatgaatatg agtttttcgt ttttgaatta tgcccagtcg agccagtgta gaaactggca 960 agacagttca gtgagttatg cagctggagc actcacggtc cactgaagct ctgaatcctc 1020 agggatgcca cctgcacatt ctcatactct gtccggggtc ccagcctagc ctttaccacg 1080 atactggtcc tggtttgggg ggattctgaa acctcaaact aatagaactt tcttctctt 1140 ttttctagta ggggtagtcc ttccttaatt tcaactcatt aaaaaatgct ttatagttta 1200 gggcagtgga aggaaggctg gcatcaaaat attttgatca aaaaagatga caatgtaaag 1260 qctcaqttqt qqcaqacaqt tttttqaaaq taacttqtaa aqcatttacc atatcctaaa 1320 tttgcactct ttgcagactt gtgcacatat attccgcttt cagaatagtt ttgcaaattg 1380 tacacaaaca aacaaaaagg tggaagcttt ttaataaaga aattgcattt ataaatgatc 1440 tgtattagaa tataataaat ctccagttat agtcaattac tacccatgtt gtacaacaga 1500 tacgcttcta ttttgagttg cgtaatagaa gggctacaca actcaaaata ataaaaaaaa 1560 aaataaataa tttaaaaaat aaataaaaat aaactgaatg aaattgaaaa catatcaatg 1620 tgagatgcca ctaaagtcat actaaaaggg aatttacacc acttactgcc tacattagaa 1680 aagaagtctc aaatcaatgc aaatcaatga cttctgcctt tacagtaaga aaccagaaaa 1740 agagcaaata aaatccagta agcagaagaa aggaaacaaa gatcagaaca gaaattaata 1800 taatcaggaa aagagagaga gagagaatca ttgtaaccag aagtttgagg aaaatcaaat 1860 caattggtaa acctctagcc agacagatca gaaaaaaaca cgaaagacac aaaccagtct 1920 cagaaatgac aggtagcatc attac 1945

```
<210> 7079
<211> 2000
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)...(876)
<223> similar to gi2769649 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7079
egggtegace caegegteeg catggeteeg eggetgtgea geatetetgt gaeggegegg
                                                                       60
eggetgetgg ggggeeeggg geetegeget ggggaegttg egtetgeage tgeggegegt
                                                                      120
                                                                      180
ttctattcca aggacaatga aggcagctgg ttccgctccc tctttgttca caaagtggat
ccccggaagg atgcccactc caccctgctg tccaagaagg aaaccagcaa cctctataag
                                                                      240
                                                                      300
atccagtttc acaatgtaaa gcctgaatac ctggatgcct acaacagcct cacggaggct
                                                                      360
gtgctgccca agcttcacct ggatgaggac tacccatgct cactcgtggg caactggaac
acgtggtatg gggagcagga ccaggcagtg cacctgtggc gattctcagg tggctaccca
                                                                      420
gccctcatgg actgcatgaa caagctcaaa aacaataagg agtacctgga gttccgaagg
                                                                      480
gageggagee agatgetget gtecaggaga aaccagetge teetegagtt cagettetgg
                                                                      540
aatgagccac agcccagaat gggtcccaac atctatgagc tgaggacata caaqctcaag
                                                                      600
ccaggaacca tgatcgagtg ggggaacaac tgggctcggg ccatcaagta ccggcaggag
                                                                      660
aaccaggagg cagtgggcgg cttcttctca cagataggag agctctacgt ggtgcaccat
                                                                      720
ctctqqqcct ataaaqacct qcaqtctcqq qaqqaqactc qaaacqctqc ctqqaqqaaq
                                                                      780
agaggctggg atgaaaatgt ctactataca gtccccctgg tgcgacacat ggagtctagg
                                                                      840
atcatgatcc cottgaagat ctogoototg cagtgatgot gootacacct coacctoott
                                                                      900
ccccttctcc ctcaggcaac cccgacagac agtggcactc ctqqtcctqc tqtcttqqtt
                                                                      960
ttgtcttggc tctgggagga ctctgagggg cagtgctcag ttcagacaag ggggaactga
                                                                     1020
aggetgacaa gttetgagga ttacagetet geecaggeee tttetaettt eeetgeetge
                                                                     1080
ctccctcccc ctgctagaag tagtttctga tttccctgaa tgaaagatag tgatctttta
                                                                     1140
ggccttcata tatcttctaa aattcctcat ctcaaggcca ccagtcccca gttatcaccc
                                                                     1200
ttggaaatcc tctgtttagc ttagttgcac aaaaggtagt atgtccagtg gctagaggtg
                                                                     1260
gggtgggaag agaggaggcc aggccaggcc ctcaggaatt ccctggtttc cactgggcca
                                                                     1320
eccaettget ggacagtetg agecaagtee etectgetgg agaaaageet ggaactgeea
                                                                     1380
aaacaaaaaa acaaatacaa acaaacctcg tcaccacggt caggaggagg ttcagacatt
                                                                     1440
ctgcccagag gggctgggga aagggatggg agccaggaaa gatttaqqqq caqqaqacaq
                                                                     1500
acacgtaaca ggaactcgga aggtagaact tagaattcag aacttqqqtt tcaattqtaq
                                                                     1560
aatttggaat ctggaataca gaattgggaa gaagaacaga gatgacaaaa gaccacttga
                                                                     1620
agagaggttc ctaatactag acagatggag agtggcttgg ctgtttcccc ctgcatattg
                                                                     1680
gggttgaaaa cttaaatgtg tagttccagt ccttctatgc agagtctctc ctgccctccc
                                                                     1740
teetteetge aggeaaatat acaagetaga ceetgtteee teaccetgta teetgtetee
                                                                     1800
cctaattgac attctatcag cccaaccctc attctgcagg gccacctggt gtgtggaggt
                                                                     1860
ggcgggaggg gtcagtgact ctgggggtct cctcagtgac ccccatacct catcatqaac
                                                                     1920
cettgggtag ettgattetg ectaceatee aggaaaaett gtgetggaat tgetgatgga
                                                                     1980
aacaattaaa tatttactat
                                                                     2000
```

```
<210> 7080
<211> 1737
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (335)...(644)
<223> similar to gi3880445 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7080
                                                                     60
agaccacatg gttgagaaag gagaaagaga aaatgattac ttgtaaagaa aaatccattt
ctgcagtggt atggttaagg ataatctaac cataatcaca ttatccttgt atgcctggct
                                                                    120
acttgtgctg gcctgtatgt gaatgttaac cccaaagact cctttagatg tcgctgaact
                                                                    180
agttactata aaaagtattt cgctttcaaa ctcccacatt tcaagaagag caaaactcaa
                                                                    240
tacaaggcaa ttttgaagtt tccctgaaac ctgggctctt gaagacgcat cactggagca
                                                                    300
gatggataat ggagactggg gctatatgat gactgaccca gtcacattaa atgtaggtgg
                                                                    360
acacttgtat acaacgtctc tcaccacatt gacgcgttac ccggattcca tgcttggagc
                                                                    420
tatgtttggg ggggacttcc ccacagctcg agaccctcaa ggcaattact ttattgatcg
                                                                    480
agatggacct cttttccgat atgtcctcaa cttcttaaga acttcagaat tgaccttacc
                                                                    540
gttggatttt aaggaatttg atctgcttcg gaaagaagca gatttttacc agattgagcc
                                                                    600
cttgattcag tgtctcaatg atcctaagcc tttgtatccc atggatactt ttgaaqaaqt
                                                                    660
tgtggagctg tctagtactc ggaagctttc taagtactcc aacccagtgg ctgtcatcat
                                                                    720
aacgcaacta accatcacca ctaaggtcca ttccttacta gaaggcatct caaattattt
                                                                    780
taccaagtgg aataagcaca tgatggacac cagagactgc caggtttcct ttacttttqq
                                                                    840
accetgtgat tateaccagg aagtttetet tagggteeac etgatggaat acattacaaa
                                                                    900
acaaggtttc acgatccgca acacccgggt gcatcacatg agtgagcggg ccaatgaaaa
                                                                    960
cacagtggag cacaactgga ctttctgtag gctagcccgg aagacagacg actgatctcc
                                                                   1020
gaccctgcca caggttcctg gaaagactct ccaggaaatg gaagatactg atttttttt
                                                                   1080
1140
gaggaccaaa aggaagtttt gtgctttggc agactcctcc atgttttgtt cccttccccc
                                                                   1200
tgagtatgca tgtgcctgtt cagagtctcc agataccttt tttataaaaa gaagcctgaa
                                                                   1260
aatcattatg gtatataatc taccettaac agagetttte ttattacagt getaaaatga
                                                                   1320
tttctgataa aatggtccct aactcaacta gaaggctaaa aatacaagaa tgaaagaata
                                                                   1380
agcagagtac tcatgatgcc tttgagaaaa atcaaaaaca tcatgtaggg tgacctagtt
                                                                   1440
tccaaaccaa taaataagta gtattgtaat attaaaggaa aactgttcca atcatttaaa
                                                                   1500
agtacttatt aagtactgct ttttacagtt atgacaactg tttctttcta tgcatataaa
                                                                   1560
tcaaggaacc aaatatctgt agccatggaa atgtctgact agaaatattt atattqaatt
                                                                   1620
ctgaatacaa aatgtccctg tggtagaaaa cttactcttt atgcctggtg cagtataaat
                                                                   1680
tcccaagtgt actgtctacc agaaaaaaaa aacaaaacta ataaaaaatg aaatatg
                                                                   1737
     <210> 7081
     <211> 1354
     <212> DNA
     <213> Homo sapiens
    <220>
    <221> misc_feature
     <222> (620)...(301)
    <223> similar to gi4929749 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
acagcatgaa gctactcatc atttgcttcg tgtcctccga gctccgagag ttggcaaagc
                                                                      420
tgatqaaqqa gcagtaqaca gcgacccaaq cacaccactt cagcttaagc atgaggccgc
                                                                      480
acatgctgaa gatcatgccc agcaggttca tgtagtccgg cgtcgggtcg tccaaggccg
                                                                      540
ggttacattc gctcggcggg ggcttgtacc tcagcacttt gttcggcctc cgtgggtccg
                                                                      600
acatattgtt agtggacata gcgagtcgaa ggccagatca cgccctcttc cgctgcagga
                                                                      660
ategeagett cegggegtge aagetgaggg eggattttag agtaacacec gagggeeete
                                                                      720
gcatttccgt tcctcatgac agaggettgg actcccctta cccagagaac ggagatttag
                                                                      780
gagaagccag aagtcttcct ttcaaaggga aaatggggaa aagaacctga aagcgggctt
                                                                      840
caatagttcc aacccgatca ccgaaatgcc aaaatgatga acccggaagt gataaacagg
                                                                      900
aagtaggtca ggaagaacaa taataaggtt acacccaagc gtgggtttct aaggcgcgga
                                                                      960
attttccgta cagaccgatt taaggctgca aggaaggagt cctgggagca tggctttccc
                                                                     1020
tgagccaaag ccgcggcctc cagagctgcc gcagaaacgg ttgaagacgc tggactgcgg
                                                                     1080
gcagggggca gtgcgagccg tacgatttaa tgtggatggc aattactgcc tgacgtgcgg
                                                                     1140
cagtgacaag acgctgaagc tgtggaaccc gcttcggggg acgctgctgc ggacgtacag
                                                                     1200
cggccacggc tacgagctcc tttgacaaca gtagtctctg ctccggcggc ggggacaagg
                                                                     1260
eggtggttet gtgggatgtg geateaggge aggtegtgeg caaatteegg ggeeaegeag
                                                                     1320
ggtcctccaa agtccagcct cctctgagtg gcaa
                                                                     1354
```

```
<210> 7082
<211> 814
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (714)...(197)
<223> similar to gi5326825 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7082
ttttttttt ttcctttaaa aattttaatg gacaggaaat ggtatagaat aactgccaag
                                                                       60
tcacataagt taacttttt gttaatgttt gtgatcccgg aaagaacaca ctatcagtcg
                                                                      120
atgcaaaccg catgggcgtt ttcatcagtc gttgtctgag cacatgaccg agtgtgggcc
                                                                      180
acggacccat ctttacttgg tccagaaata aaagcggctg ccatgtgtgg caggctgcag
                                                                      240
atctccctcg atctcagggc tgggatccgg tcttggtctt gagtgatagg gattctccgg
                                                                      300
taaaggtega tetgttttea etttggtgae etttgaeagt teteceaggt eaggeegeae
                                                                      360
ccagcccagt ttgtccagca cacactcgtc aaactttgcc tgctgtttgc gacagtgacg
                                                                      420
aaataactgc tggccagtat aatcaatgca agtccaatat tctqtaaaaq qctctqcaca
                                                                      480
gtgacgtttt atctgcctaa agaagtccaa agcacacttg ttgaccagtt tgccttcctc
                                                                      540
taaacaccgc ctcggatctt tctcttccca gcggcagagc ataaactcct tgttgggctt
                                                                      600
atcacattga gctccatagt gatgggccgc agctttaagc acagcagaac taattttcac
                                                                      660
ctcatctact ttcagctcct ctagagtggg cagctccact atccccggca tgacggctgc
                                                                      720
ageceegace ecgaegagaa geeeteagee gegtegeeee egteteettg aacteeeett
                                                                      780
tcgaccgccg agtgccacac ggcgcctgcg catg
                                                                      814
```

```
<212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (102)...(623)
     <223> similar to gi5360105 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7083
cegeceegge cegagagggt geteggegee acagecegga ggeceggeee gegeaggagg
                                                                       60
cgctcctcct tcccaccggt gtctttcagg ttgcagaaaa gatggaaaaa aggacatgtg
                                                                      120
cactetgece caaagatgte gaatataatg teetgtaett tgcacaatea gagaatatag
                                                                      180
ctgctcatga gaattgtttg ctgtattctt caggacttgt ggaatgtgag gatcaggatc
                                                                      240
cacttaatcc tgatagaagt tttgatgtgg aatcagtaaa gaaagaaatc cagagaggaa
                                                                      300
ggaagttgaa atgcaaattt tgtcataaaa gaggagccac cgtgggatgt gatttaaaaa
                                                                      360
actgtaacaa gaattaccac tttttctgtg ccaagaagga cgacgcagtt ccacagtctg
                                                                      420
atggagttcg aggaatttat aaactgcttt gccagcaaca tgctcaattc ccgatcatcg
                                                                      480
ctcaaagtgc taaattttca ggagtgaaaa gaaaaagagg aaggaagaaa cccctctcag
                                                                      540
gcaatcatgt acagccaccc gaaacaatga aatgtaatac attcataaga caagtgaaag
                                                                      600
aagagcatgg cagacacaca ggtttgcgct aagtgttgtc tgtaacaaat atggcctaca
                                                                      660
atacttataa aaatgtcaac ccacctgttt caaacttggt atcccgccta aatctttatt
                                                                      720
cttctaggct tgtggtaatt aatgagtata aatctttatc gcaactgtcc actctattgt
                                                                      780
aatcccagca tatcaagata acttaggttg gaatggtcca ttgcattcag tattaagaaa
                                                                      840
agatagactt ctattaataa agacacagac aggcttgcct gagctcagaa tccagcaatg
                                                                      900
tgtcacccct cacactgtga cccctgtaac tgtagttctc tgttctttaa agaaat
                                                                      956
     <210> 7084
     <211> 829
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (201)...(550)
     <223> similar to gil79996 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7084
cggttgtcgc cccagtggcc gccctctgag cacgtgttac tgccagtctg cgtcacgttg
                                                                       60
ggtaaataca tgactggccg acgacgccgg gcgggggcta tttaagagac agacgcccgc
                                                                      120
tggtcctccc tgaacttggc tcagctgccg ggctgctccg gttggaaacg ccaagccagc
                                                                      180
tgcgtcctaa tccaaaagcc atgaacagcg gcgtgtgcct gtgcgtgctg atggcggtac
                                                                      240
tggcggctgg cgccctgacg cagccggtgc ctcccgcaga tcccgcgggc tccgggctgc
                                                                      300
agcgggcaga ggaggcgccc cgtaggcagc tgagggtatc gcagagaacg gatggcgagt
                                                                      360
cccgagcgca cctgggcgcc ctgctggcaa gatacatcca gcaggcccgg aaagctcctt
                                                                      420
```

<211> 956

```
ctggacgaat gtccatcgtt aagaacctgc agaacctgga ccccagccac aggataagtg 480 accgggacta catgggctgg atggattttg gccgtcgcag tgccgaggag tatgagtacc 540 cctcctagag gacccagccg ccatcagccc aacgggaagc aacctcccaa cccagaggag 600 gcagaataag aaaacaatca cactcataac tcattgtctg tggagtttga cattgtatgt 660 atctatttat taagttctca atgtgaaaaa tgtgtctgta agattgtcca gtgcaaccac 720 acacctcacc agaattgtgc aaatggaaga caaaatgttt tcttcatctg tgactcctgg 780 tctgaaaatg ttgttatgct attaaagtga tttcattcta aaaaaaaaa 829
```

```
<210> 7085
<211> 1977
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (402)...(1131)
<223> similar to gi2988398 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7085 tttcgtgtag acgaggacgc caacagcagc ggagaaacgt ttctctttcc tctcagtttg 60 cgcaccaccat ggcggcccct gcccagcaga ctactcagcc tggcggcggg aagcgcaaag 120 gcaaggetca gtatgtgetg gccaagegeg eteggegetg egaegetgge gggeeeegte 180 agctagagcc cgggctacag ggcatcctca tcacctgcaa tatgaacgag cgcaagtgcg 240 tggaggaggc ctacagcctc ctcaacgaat acggcgacga catgtatggg ccagaaaagt 300 ttacagacaa ggatcagcag ccctctggaa gtgagggaga ggatgatgat gcggaggctg 360 ccttgaagaa agaagttggt gacattaagg catctacaga gatgaggtta agaagattcc 420 agtcagtgga aagtggagca aataacgttg tcttcatcag gacacttggg atagagcctg 480 agaaattggt gcatcatatt ctccaggata tgtacaaaac caagaaaaag aagactcgag 540 ttattttgcg aatgttaccc atctcaggca catgcaaggc ttttttagaa gatatgaaaa 600 aatatgcaga aacatttttg gaaccctggt ttaaagctcc aaacaaaggg acatttcaga 660 ttgtgtacaa atctcgaaat aacagtcatg tgaatagaga agaagttatc agagaattgg 720 caggaatagt gtgcaccctc aattcagaaa ataaagtgga tctcaccaat ccacagtaca 780 cagtggtagt agaaatcatc aaagctgtct gttgcctgag tgttgtgaaa gattacatgt 840 tgtttagaaa atacaatctc caggaggtgg tgaagagccc taaggatccg tcacagctta 900 actcaaagca gggaaatggg aaagaagcta aactggaatc tgcggacaaa tcagaccaaa 960 acaacacagc agaaggaaaa aataaccagc aggtaccaga gaatactgag gagctggggc 1020 agacaaaacc aacgtctaat ccacaggtgg taaatgaggg aggagccaaa cctgaacttg 1080 caagtcaagc cacagaagga tccaagtcaa atgaaaatga cttctcatag gaagtcattt 1140 ggtgttggag ctgacagtcc agtgtcgcaa ttttggaagg caagatgtga gagagacgag 1200 aaccatttta ggcatagaac tacagacatt tetgaaaagg ttggtgatga agaacttcag 1260 tcttctgagt atacttcagt atactagtgc aacaagggac acaaagaaat tctgtcttaa 1320 taaagaaagc tacttctcaa gggtattatg tggactcagt ccaagctctc ctgtcccatt 1380 gtgcattgtc tgtgacatgc aacttacaaa actagcaatt gtaacaataa atcacagcca 1440 cttgacaaga aaggatattc attattttca aatggctttt ggactatcaa aaacagtaag 1500 gcttttgttc agaaatcacc tttagtcaaa aggtttaaga agcaaattat ttagtagcag 1560 aacttatctc aggaaaggaa aatatgcatg gttggtgaga atctaataac attaaaatgc 1620 tggggcaaga tgcagtacaa agttgaagag actttattct caataagttg atttactgat 1680 gatatgtcat atgatgcaaa aaagggtttg gggccattaa ctgaaaaata gcagcttctc 1740 tatccaggat gatgagtcaa caggtttcac taatatttgt ccatgctgta gcatttgtaa 1800

```
gatttgtaaa tgatgaaatt caaagaaaac tttttctatt gctaggagcc tgccagaaca 1860
aaggccaata tataatgttg tgacatcata tctgataacc agaggtctgg tatctacact 1920
cctggtgccc catcagtggt tgtctccata agtcattttg cgttattaaa aaaaaaa 1977
```

```
<210> 7086
<211> 1778
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (169)...(1326)
<223> similar to gi2292902 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7086 tgagcgccca gggagcagcg cagcgcgcga ctgacaccca cctgtcccgc ccaggagcct 60 tgcaggctgg agggcggctg gagagcggcg gcgcccggcg gcgaggcqqq cqctqccqqc 120 cgggactcgg gcagcgcca ccaaccgctc cgccccggga cagccagcat gagcaagcca 180 gccggatcaa caagccgcat tttagatatc ccctgcaaag tgtgtggcga ccgcagctcg 240 gggaagcact acggggtcta cgcctgcgac ggctgctcag gttttttcaa acggagcatc 300 cgaaggaata ggacctatgt ctgcaaatct ggaaaccagg gaggctgtcc ggtggacaag 360 acgcacagaa accagtgcag ggcgtgtcgg ctgaagaagt gtttggaagt caacatgaac 420 aaagacgccg tgcagcacga gcgggggcct cggacgtcca ccatccgcaa gcaagtggcc 480 ctctacttcc gtggacacaa ggaggagaac ggggccgccg cgcactttcc ctcggcqgcq 540 ctccctgcgc cggccttctt caccgcggtc acgcagctgg agccgcacgg cctggagctg 600 geogeggtgt ceaccactee agageggeag accetegtga geetggetea geecaegeee 660 aagtaccccc atgaagtgaa tgggacccca atgtatctct atqaagtggc cacggagtcg 720 gtgtgtgaat cagctgccag acttctcttc atgagcatca agtgggctaa gagtgtgcca 780 gcctteteca egetgtettt gcaagaccag etgatgettt tggaagatge ttggagagaa 840 ctgtttgttc taggaatagc acaatgggcc attccggttg atgctaacac tctactggct 900 gtatctggca tgaacggtga caacacagat tcccagaagc tgaacaagat catatctgaa 960 atacaggett tacaagaggt ggtggetega tttagacaac teeggttaga tgetaetgaa 1020 tttgcctgtc taaaatgcat cgtcactttc aaagccgttc ctacacatag tggttctgaa 1080 ctgagaagtt tccggaatgc tgccgccatt gcagcccttc aagatgaggc tcagctaacg 1140 ctcaacaget acatecatae cagatateee actcaaceet gtegetttgg aaaacteetg 1200 ttgcttttgc cagctttacg ttctattagc ccatcaacta tagaagaagt gtttttcaaa 1260 aaaaccatcg gcaatgtgcc aattacaaga ctgctttcag atatgtacaa atccagtgat 1320 atctaagctc acaagatacc cacttttcag gatgggacag tatcagatga acttcaaccc 1380 atggagaaca agcctcaact aacaaaccct tcaggaagca tataccgggg aatgtgtagc 1440 cttcaggaaa aaaatgccaa ttgacacaaa gcattccagt agctatgacc tqccqcctq 1500 accaggatag ggcgggtggg aaggagaggg gtgcaacagg accgcctgca ctgaaaactc 1560 actgctgcca tgccctggga gggggcaaac tgggggttgc cacaggccgt gccattctgc 1620 ctcttacctg gaagatcagg ctgaacgatc aaaagctgaa cataagtagt gctttctctt 1680 cctttttagc atacaaagtt tggtaaccaa atatagctct gtgtataaca tcgtactgcg 1740 gccttcaaaa ctacgttatg ttggagcatt tattttaa 1778

```
<210> 7087
     <211> 1085
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (355)...(272)
     <223> similar to gi5690333 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7087
tccgtaggaa gtttggccca atatgtcccc cccccaaaat aaaggtccct cccaaaaatt
                                                                       60
cccaagtagc agattttcca gtccccacgt tgttaaaaca cgggcaaggc ctaggttata
                                                                      120
aataggcccc ccataaggaa aaaactatta cctcgcaagc acgggtaaac ttgggccccc
                                                                      180
caagggatcc tttaaaacgg ccgcccttt ttttttttt tggctattta tttatttatt
                                                                      240
ttttaaataa agattgggtc ttatctcact ctgttgccca ggctgatctt gaactcctgg
                                                                      300
getcaageag teetcecace teageeteec aaagtgetgg gattacagge atgtgeegte
                                                                      360
acacccagcc ctgcttgttt taaaagggga ctttttttt tcttaatgga aaaaaatgaa
                                                                      420
acagagagcc aaaagctttt aactgttgtt tttttctttt cttcaatgaa agcctctcat
                                                                      480
tttgaaaaga catgtttttc ttcaagcaac aaaggtggta gaggaaattc ctcaactttc
                                                                      540
tcaacgagtc atgtaacgtt acactggcct ccataaagca ccgattaaga aagctaaaga
                                                                      600
ataagatgtt gtatttettt taaaataatt taaaatatat taaattttee taaggeaggt
                                                                      660
tttgtttgaa tgaggtgtct tgattagata actacatgcc actgaaggag aacagtactt
                                                                      720
ttaaggagct atttttgttt cgcagtagag ttgaaaccag ctgattaatc caatgaagtt
                                                                      780
aaacagcaga gacagatctc gtacataaga gtatcagcta aagtcatgac tacaccaatt
                                                                      840
ctttacacaa ttaagacatc tttgcaactg ttcaatttaa gtactatggt ttttagataa
                                                                      900
tcgagaaaaa cacagttgta ccttaacatc tgttgagaaa atacaaataa atatgatgct
                                                                      960
aataaatggc cactgataac tcagtagcca tctgaatagt catgcggttt aagaatacat
                                                                     1020
cettgtataa tetgacatae aaatttgtea ttteetgeae atgeaeacea ttgttaaaaa
                                                                     1080
aaaaa
                                                                     1085
     <210> 7088
     <211> 1965
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (31)...(1201)
     <223> similar to gi5824311 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7088
cgagcgcacc gcgggaagat ggcgttggag gtcggcgata tggaagatgg gcagctttcc
                                                                       60
gactcggatt ccgacatgac ggtcgcaccc agcgacaggc cgctgcaatt gccaaaagtg
                                                                      120
```

```
180
ctaggtggcg acagtgctat gagggccttc cagaacacgg caactgcatg tgcaccagta
tcacattatc gagctgttga aagtgtggat tcaagtgaag aaagtttttc tgattcagat
                                                                      240
gatgataget gtetttggaa acgeaaacga cagaaatgtt ttaaccetee teecaaacea
                                                                      300
                                                                      360
gagcetttte agtttggeca gagcagteag aaaccacetg ttgetggagg aaagaagatt
aacaacatat ggggtgctgt gctgcaggaa cagaatcaag atgcagtggc cactgaactt
                                                                      420
ggtatcttgg gaatggaggg cactattgac agaagcagac aatccgagac ctacaattat
                                                                      480
ttgcttgcca agaaacttag gaaggaatct caagagcata caaaagatct agacaaggaa
                                                                      540
ctagatgaat atatgcatgg tggcaaaaaa atgggatcaa aggaagagga aaatgggcaa
                                                                      600
ggtcatctca aaaggaaacg acctgtcaaa gacaggctag ggaacagacc agaaatgaac
                                                                      660
                                                                      720
tataaaggtc gatacgagat cacagcggaa gattctcaag agaaagtggc tgatgaaatt
tcattcaggt tacaggaacc aaagaaagac ctgatagccc gagtagtgag gattattggt
                                                                      780
aacaaaaagg caattgaact tctgatggaa accgctgaag ttgaacaaaa tggtggtctc
                                                                      840
tttataatga atggtagtcg aagaagaaca ccaggtggag tttttctgaa tctcttgaaa
                                                                      900
aacactccta gtatcagcga ggaacaaatt aaggacattt tctacattga aaaccaaaag
                                                                      960
gaatatgaaa ataaaaaagc tgctaggaag aggagaacac aagtgttggg gaaaaagatg
                                                                     1020
aaacaagcta ttaaaagtct aaattttcaa gaagatgatg atacatcacg agaaactttt
                                                                     1080
gcaagtgaca cgaatgaggc cttggcctct cttgatgagt cacaggaagg acatgcagaa
                                                                     1140
gccaagttgg aggcagagga agccattgaa gttgatcatt ctcatgattt ggacatcttt
                                                                     1200
taagtacatt ttcaacagtt tgaggactaa gcctttctaa aataacattg taataaacca
                                                                     1260
tttttactga gattgcaacg ttttgcactg ataaacatga gaatctggag gaaagacaat
                                                                     1320
tgttttcttg tttaaaatat gtgtggaaag gaatgcaatt gatagaacat ttaaagatat
                                                                     1380
atctgacaaa atacttaaga gtatatagca caggatttaa tttctcaatc tgttgcatgt
                                                                     1440
gctaattatg agtattacta gttgataatc agttttgtct aggtcataac ataccatttg
                                                                     1500
taagtttgtt tgctttttca ggtttatctt tgcagtgaat tatgctttgc tttaaaacat
                                                                     1560
tccgctaaaa tcataatggg acatataaat tattaagctg ttagaaatgc attcaaattt
                                                                     1620
gttttttctg tgttctaaga actcaggcaa ttttaaggat aaaaactaac attggccagg
                                                                     1680
cacggtggct cacgcctgta atcccaacac tttgggagac caaggcgggc agatcacttg
                                                                     1740
aggtcaggag tttgagacca gccaggccaa catggtgaaa cttcatctct actaaaaata
                                                                     1800
caaaaactag ccaggtgtgg ttctccatgc ctataatccc ggctactcgg gaggctgagg
                                                                     1860
caggagaatc acctgaaccc tggaggcaaa ggttgcagtg agctgagatc gtaccactgt
                                                                     1920
actccagcct gggcgacaga gcaagactct gtctcaaaaa aaaaa
                                                                     1965
```

```
<210> 7089
<211> 2744
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (82)...(1443)
<223> similar to gi5853321 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

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<400> 7089
agatagtaaa taatctcgga aaggcgagaa agaagctgtc tccatcttgt ctgtatccgc 60
tgctcttgtg acgttgtgga gatggggagc gtcctggggc tgtgctccat ggcgagctgg 120
ataccatgtt tgtgtggaag tgccccgtgt ttgctatgcc gatgctgtcc tagtggaaac 180
aactccactg taactagatt gatctatgca cttttcttgc ttgttggagt atgtgtagct 240
tgtgtaatgt tgataccagg aatggaagaa caactgaata agattcctgg attttgtgag 300
aatgagaaag gtgttgtccc ttgtaacatt ttggttggct ataaagctgt atatcgtttg 360
```

```
tgctttggtt tggctatqtt ctatcttctt ctctctttac taatgatcaa agtgaagagt
                                                                      420
agcagtgatc ctagagctgc agtgcacaat ggattttggt tctttaaatt tgctgcagca
                                                                      480
                                                                      540
attgcaatta ttattggggc attcttcatt ccagaaggaa cttttacaac tqtqtggttt
tatgtaggca tggcaggtgc cttttgtttc atcctcatac aactagtctt acttattgat
                                                                      600
tttgcacatt catggaatga atcgtgggtt gaaaaaatgg aagaagggaa ctcgagatgt
                                                                      660
tggtatgcag ccttgttatc agctacagct ctgaattatc tgctgtcttt agttgctatc
                                                                      720
gtcctgttct ttgtctacta cactcatcca gccagttgtt cagaaaacaa ggcgttcatc
                                                                      780
agtgtcaaca tgctcctctg cgttggtgct tctgtaatgt ctatactgcc aaaaatccaa
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gaatcacaac caagatctgg tttgttacag tcttcagtaa ttacagtcta cacaatgtat
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ttgacatggt cagctatgac caatgaacca gaaacaaatt gcaacccaag tctactaagc
                                                                      960
ataattggct acaatacaac aagcactgtc ccaaaggaag ggcagtcagt ccagtggtgg
                                                                     1020
catgeteaag gaattatagg actaattete tittigtigt gigtattita ticcaqeate
                                                                     1080
cgtacttcaa acaatagtca ggttaataaa ctgactctaa caaqtqatqa atctacatta
                                                                     1140
atagaagatg gtggagctag aagtgatgga tcactggagg atggggacga tgttcaccga
                                                                     1200
gctgtagata atgaaaggga tggtgtcact tacagttatt ccttctttca cttcatqctt
                                                                     1260
ttcctggctt cactttatat catgatgacc cttaccaact ggtacaggta tqaacctct
                                                                     1320
cgtgagatga aaagtcagtg gacagctgtc tgggtgaaaa tctcttccag ttggattggc
                                                                     1380
atogtgotgt atgtttggac actogtggca coacttgttc ttacaaatog tgattttgac
                                                                     1440
tgagtgagac ttctagcatg aaagtcccac tttgattatt gcttatttga aaacagtatt
                                                                     1500
cccaactttt gtaaagttgt gtatgttttt gcttcccatg taacttctcc agtgttctgg
                                                                     1560
catgaattag attttactgc ttgtcatttt gttattttct taccaagtgc attgatatgt
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gaagtagaat gaattgcaga ggaaagtttt atgaatatgg tgatgagtta gtaaaagtgg
                                                                     1680
ccactattgg gcttattctc tgctctatag ttgtgaaatg aagagtgaaa acaaatttgt
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ttgactattt taaaattata ttagacctta agctgtttta gcaagcatta aagcaaatgt
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atggctgcct tttgaaatat ttgatgtgtt gcctggcagg atactgcaaa gaacatggtt
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tattttaaaa tttataaaca agtcacttaa atgccagttg tctgaaaaat cttataaggt
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tttacccttg atacggaatt tacacaggta gggagtgttt agtggacaat agtgtaggtt
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atggatggag gtgtcggtac taaattgaat aacgagtaaa taatcttact tgggtagaga
                                                                     2040
tggcctttgc caacaaagtg aactgttttg gttgttttaa actcatgaag tatgggttca
                                                                     2100
gtggaaatgt ttggaactct gaaggattta gacaaggttt tgaaaaggat aatcatgggt
                                                                     2160
tagaaggaag tgtttgaaag tcactttgaa agttagtttt gggccagcac ggtagctcac
                                                                     2220
cettgtaate ceageaettt gggaggetga ggtgggtaga ttacttgage ceaggaatte
                                                                     2280
aagaccagcc tgggcaacat ggtgaaaccc tgtttctata aaaaataatc tgggctttgt
                                                                     2340
agcatatgcc tgtggtccca gctactgagg aggctgaggt gggaggattg cttgagccca
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ggaggcagag gttgcagtga gccaaggtca cgtcactgca ctctagcctg ggcaacagag
                                                                     2460
taagacaaaa aaatatatat atattgaaaa tcaaaggagg caaaattttg acagggaagg
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aagtaactgc aaaacactag gctttagtta ggtacttata taaaatctag tccagttctc
                                                                     2580
tcatttaaaa aaatgaagac actgaagtac agacttaaat agctcagata gctaattagg
                                                                     2640
aaatttcaag ttggccaata atagcattct ctctgacatt taaaaataat ttctattcag
                                                                     2700
aatacatgca taattgattt tacacctcat tactggtgga taat
                                                                     2744
```

```
<210> 7090
<211> 840
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (280)...(541)
<223> similar to gi238781 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7090 60 cccacgcgtc cggagggaag acagagcagt gcatggttat ggatactgga caaggatatt tggaaaggtt gacgatgtgt cacactgtgt aagggaatcg catggagatg ggcattccga 120 actgttaatg gggacatggg actccagttg tctctgatca cttgtgtgga ttttcctggc 180 gtagaacgac agaagccgct agtaagtcgc caagacctac agcaggaatt ctgcaccaaa 240 300 gggcataaaa tottgttatt ttaatttgca totgggagaa tgtotgagca aggagacotg aatcaggcaa tagcagagga aggagggact gagcaggaga cggccactcc agagaacggc 360 420 attgttaaat cagaaagtct ggatgaagag gagaaactgg aactgcagag gcggctggag 480 gctcagaatc aagaaagaag aaaatccaag tcaggagcag gaaaaggtaa actgactcgc 540 agecttgetg tetgtgagga atettetgee agaccaggag gtgaaagtet teaggateag gaatcaattc atttacagct ttccagtttt tccagcctgc aagaggagga taaatctagg 600 660 aaagatgact ctgaaagaga aaaagaaaag gataaaaaca aagataaaac ctctgaaaaa cccaagatca gaatgttatc aaaagattgc agccaagaat acacggattc tacaggcata 720 gacttacacg agtttctgat taacacatta aagaataatt ccagggacag gatgatactt 780 ttgaaaatgg agcaggaaat tattgatttc attgctgaca acaataatca ttataaaaaag 840

```
<210> 7091
<211> 3041
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2919)...(1564)
<223> similar to gil304599 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7091 ttttttttt ttaattgttt tatttgggaa aagtgcttct tacaaaaggg cagctgcaaa 60 atacagagac ctctgcaaca attatttgtt ttttcttaaa gtgaaagaat gggtgggatc 120 caaggaatca aagcagtaga tggacaaacc aggagcatcc ccgagttatt ttcaggaaac 180 240 tagctaatct cagggattcc caagccctcc ctttcggtgg aaaagtatga cttatcactg 300 caaacccatt actccactac aataaacacc ttagaacaga gttttgaatc acgtctgtct 360 acctgaaagc tcaggggtgg aatgaggcaa atacccacaa aaacaaacac aaaaacccqa 420 caacaaaatg cctcaagtga ggacaaaggt ttctcagaaa gtgcctgtac tggaaaggct 480 agategtaaa acattaaata caactgtgta tecaagaeee agtttgtgtt attatatggg 540 ataaccaggt agttttaacc tctatggcta accccatttc tctatttata tagacagagc 600 tagcactgct atattgacaa ctaccaatat actgctttgc cctttaagat ctatctgcca 660 cacaaggett aaaccactaa accaggtttt tetactaagg etaagaatae tgeatetatg 720 cagggatgag aagcttatca cacacccaca cactcacacc atgtcagccc ttgggagcca 780 acttccaact ctgcattgat gttatgcctc tctatctttt atacgtattc tttctcaatt 840 ttcctatcat gcaaaacagt aaaaaatctc aacacattca cacctgattc tggttaccca 900 gtagtattac ttgtgtgcaa ttaaacaaga gaccaaaacc acagaacaag tgcacgtggt 960 agggattaca gggtagggaa cagatataaa aacacagatg tgcagatttc accagaaacc 1020 tcaaggatcc acatcccatg tctggggcag agggctattg gccagcttag gtcccttcac 1080 ccatcactcc tattcttgga ccccaaagca gggccactgc ttttactttt gaacctgggg 1140 tecteaaaat gagtgtgtga aaagteeata aatgeaatet ggttgaaaae agatgaegea 1200

```
1260
acacacctac actaactgtc tgacagttaa attcgtgtta caaaaaacta actttaagat
                                                                1320
ttatttttgt aacttttttc aacagggaaa acaacact cctcagggaa aggtgaggg
ttgagaagac aggccctggg taaaaattct taggacagca cctggagttg agaggcctgc
                                                                1380
ctaggagaga acacaggcac tgccacacca ccacagggga cagctgctgt ctgaggtcag
                                                                1440
                                                                1500
cagaccagtt cacacgccac gcaaggttgc tatagatcca agtcataaaa atcttccagc
tcatcatgaa acaagtccca ctcatcttca gagtctgtta gttcgtcgtc cccacctgca
                                                                1560
gccaaaagca taagcaacat ctcgcccagc tcaaaggtga caacctcttc ttcatcgttg
                                                                1620
                                                                1680
tcaaaggggt tgctgttctc tctttcctca atgagttccc agaagtggtt ccttcgttgg
geooggtate tgettgatgt teccaettte tgtetetgtg geteetetet acggecatea
                                                                1740
gggtacgcat gcttgtaaaa acagttccct ccaaatgggc agctcccacg tccttcatca
                                                                1800
                                                                1860
aaatacctgc acgccttgtt gctcattgcc tccttgtatt tcagaatgag tttctgcttc
tettettet cetecacea gtacteactt ggaatgacaa agttagatgt gateeggeat
                                                                1920
tetgggeagg aetttatgat ettgetetea aattgettag eacteeteea ettgegaatg
                                                                1980
cacttgagac agtaggtgtg gttgcagttg gagaggatcc cgaagcggcg ctcactgggg
                                                                2040
2100
acggcaaatg agagetecat gteettetea tgggceteaa tgeacgattt gatatgetge
                                                                2160
gatctctggg cagcatccat tggatgcagg acctgcagcc cacacatgtc acaagaatct
                                                                2220
ccgtggagat acacacagtt ctccccgtat cggcactctc ccactgcagc ataggggcac
                                                                2280
agetgettet ttgteteeae ggeggtttge tetttetetg attetteett ggteaetgag
                                                                2340
                                                                2400
ccctgcaggg gtgcttcagt gcaggaaggc gcagtacggc cacagtaggg ttgcccagga
acaaactcaa tagcattcac ccagtcctct gaacctgctc ctacagttgc aaagtttgaa
                                                                2460
tttcttgact cagcttcgcc tgtattcatt tcaacaagtg gtccaactat cgatgagaga
                                                                2520
                                                                2580
cttgaggaag cagcaaggga tgactttgta gttagctctg tagcagttgc ttcttcctgt
ttcaatggtt tgctatgttc atatctgcag cggtctccat aaatacagta ccctcgctga
                                                                2640
aaatacttgc acactacact atacggactg tcagagaggt catgcgagta gcgacagttg
                                                                2700
teteetteet tacaaacee atgeataaaa tacetgeagg tgacetgttt agteeageeg
                                                                2760
2820
gtggggateg gggtggggga ggetgetgee geegtegeeg etgeegetee tgeteetgat
                                                                2880
gttgtggctg ttgttccggg agttgcagcc tccgccatta ctgtttatcc cacacagcaa
                                                                2940
aggccccgga acttccggga tcacatagtt ccggtccggc tgcggggaga ggacggcgag
                                                                3000
gccaggcgag gggaggggaa ggacactgag gcacccgttc g
                                                                3041
```

```
<210> 7092
<211> 1467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1332)...(825)
<223> similar to gi3193191 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7092

ttttttttt tttaaagagat agttttatgg gtaacagtat gggacagact gggaaggttg 60
ccagggcctg tagtgatgag cttcccagga atagaccaac acacaggcag gagtggccca gacagacaag tagatagaca gacagacaga gggacaagaa aacaaccaag tgggtaagag 180
gcccaggcca ggctcagcag ctgtgtccag gcatcagctc cagctctgct ctggggaact 240
ggtggaggag aagggctggc cggggcctca gtccttacag ggctccttct cctcatgccc 300
tactatccct catccagcct gctggatcc ttggcaggtg gaattcccag ggctatggat 360
```

```
ggctgggctg agtgagcaga ggatcgaggc tcttggagac tccctgggga ggtggaggcc
                                                                      420
                                                                      480
tgggtggtgt ggggttagca gcagcactgg ggggaatctg gtcaagttcc aggatggggc
                                                                      540
cactgctcag cagggcccct gtgtccaggg caggccctcc acctgcccac cacaccaaca
                                                                      600
tggtgcaata aataaagttt caagtagtaa gtcagtgtca agcaggagag ctgcaggctg
                                                                      660
gcagacaggc agggactgag aaagagaagc ctccagccac ccaccatatc tgctcagtgg
                                                                      720
gctcaagcgg tcgcaagtct gtcttgtgca ctggagtggg tgtctggccc tgatgtccca
tgagcactcc ccgcaggggc tcagcccctc acaccagcgc cagagcctgc tcggtggggc
                                                                      780
agaagcaggg caacatggtg cccacagcgt ccacgatggc tgccaggtgc tcgtcctgcg
                                                                      840
                                                                      900
cctgaggccc acagagctgc atgacgtccc gcacacgcag caagtattca aggttgtggc
cggagaagcc ccggcaggcc aggatctgcg tggcaatggc ctcttcaggc gcagggccca
                                                                      960
                                                                     1020
ggtaaccagg gttctgtggg gtggccacat aggccaatgc cttcagtggt tggtcaggag
                                                                     1080
catcttgggg atagaaggtg acctccttgg tatcgtagcc accaagcact gcctctcgca
                                                                     1140
cattcaggta cttcagggcc ttgcttacct gctccccttg cacttggtat gccacgcccc
                                                                     1200
aagtgcagcc ctcatgatct tcaaggagcg tcaccacacg gccaggcatc ttgtcgctgc
                                                                     1260
cccgatggaa ggtgtctccc tgccagaaac ggcggctgta gccgcgcacg aagcccacac
                                                                     1320
ggctgtcgct gtaggcgaag tcgggcctcc acaccaggga gccgtacccg aaaatccaca
                                                                     1380
gegettgagg gtegeggaeg egggetegae egggaateeg gaeggtteea aagggtateg
                                                                     1440
atgggeteeg accepttagee ttacagagee tategataga tacegegace teeteatege
                                                                     1467
tcaagtaccg tgccattacg tagagac
```

```
<210> 7093
<211> 3252
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (80)...(941)

<223> similar to gi551638 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7093
ggcacgagag taacgccatt accgccggag ccgccgagag ccttagccga cggaaactgg
                                                                       60
acactggacc ggcagcgcca tgagactcct cccccgcttg ctgctgcttc tcttactcgt
                                                                      120
gttccctgcc actgtcttgt tccgaggcgg ccccagaggc tcgttagcag tggcacaaga
                                                                      180
                                                                      240
tettacagag gatgaagaaa cagtagaaga ttecataatt gaggatgaag atgatgaage
cgaggtagaa gaagatgaac ccacagattt ggtagaagat aaagaggaag aagatgtgtc
                                                                      300
tggtgaacct gaagcttcac cgagtgcaga tacaactata ctgtttgtaa aaggagaaga
                                                                      360
ttttccagca aataacattg tgaagttcct ggtaggcttt accaacaagg gtacagaaga
                                                                      420
ttttattgtt gaatcettag atgeeteatt cegttateet caggactace agttttatat
                                                                      480
ccagaatttc acagctcttc ctctgaacac tgtagtgcca ccccagagac aggcaacttt
                                                                      540
tgagtactct ttcattcctg cagagcccat gggcggacga ccatttggtt tggtcatcaa
                                                                      600
tetgaactae aaagatttga aeggeaatgt atteeaagat geagtettea ateaaacagt
                                                                      660
tacagttatt gaaagagagg atgggttaga tggagaaaca atctttatgt atatgttcct
                                                                      720
tgctggtctt gggcttctgg ttattgttgg ccttcatcaa ctcctagaat ctagaaagcg
                                                                      780
taagagaccc atacagaaag tagaaatggg tacatcaagt cagaatgatg ttgacatgag
                                                                      840
ttggattcct caggaaacat tgaatcaaat caataaagct tcaccaagaa ggttgcccag
                                                                      900
gaaacgggca cagaagagat cagtgggatc tgatgagtaa atgttccttt gtgcaacaat
                                                                      960
teggtettta ettaacetge ectaatattt tteggeetga tgggaattag tgcagagaag
                                                                     1020
ccatgtcacc atagaaggca actcctactt gtgtgtggac tgagcaatca gagtctgtgg
                                                                     1080
```

```
cgataatatt gctgaaaatg cactgcattc atttttctaa agtaacaaat ttggtttttt
                                                                 1140
tttaaaccat taaaatctat gtgtgtgcgt gtgtatgtat gtgagcagtt ggtcttacca
                                                                 1200
gaatcattgt tgaactacct gaaacaagtc tttagaatac taaatataat gctgttgtct
                                                                 1260
cttecttttt gacattttct gattttttc ccccaaaact caqttaatat ttacccacta
                                                                 1320
tgattattga tgtcctgcct tgaacagttt taaagaaaac aatttttgga atagctcaaa
                                                                 1380
tttcaattga tggcacaaat cagcattttg ttgttgttac tgtattacaa ttagtattct
                                                                 1440
aaaggcagaa gcagaagtag ctgcttttta gcaatagaat tgtttcagta ttttgctgct
                                                                 1500
gtttaatgcg catcttcaga aaacttccca gtggcttcaa ggaatttggg gatctctctg
                                                                 1560
gcaacaaatt gtgaaacatg aaatttctgc tgactttaat atatgaaacc taatcctacc
                                                                 1620
1680
tgctctagtt ctgacccaga ggtagctctg gagtgatttt agacctactc actcagttqt
                                                                 1740
gtgtaggttt ttttgttttg ttttgagaga gaatttttct ctccttaata gaagcatcct
                                                                 1800
ttttaaagag aagttgcctt ggtccacaca ctaagcagaa aaccaagtta tcaggacaga
                                                                 1860
gatatttccc agttactcct aatcaatgaa gaaagtgagt tggatatttt taaagcagtt
                                                                 1920
aactaatttt ttcttaccta atcttttggg agttttgctt gttgatataa cctttttagt
                                                                 1980
2040
gtacttcata aaatcctctt atagagttac tcttgcccta gattgtaaat taagtttggc
                                                                 2100
attattgtca gactggatgg agggtgaagt aaaatagtat gaacaattaa gaggctctcc
                                                                 2160
ccctcttgtc tttaagccat attctcctac atgtatttta taagaaaatg ttaagtcaaa
                                                                 2220
ttttagtggc tctttaattc ctgacctctt cattctcctt ttcagtataa cctcccctat
                                                                 2280
gctcatgccc acacagacaa aaaaacaaaa cgaaatacac acagaaaaaa gtctttccaa
                                                                 2340
actgtttaag tatttaaaca tctgagccaa agcagataga agttattgta taattgttaa
                                                                 2400
tcactttgca aataggggct atcaaattac ctatattggc attgctggat tataaactct
                                                                 2460
atatctgtaa tataaagtgt ttgagttttt aattgggctg ttatgatcag tagttgattt
                                                                 2520
tgagaaagct ctatgagctc taagtaactg catggttttt tgtttaatgt aatataggag
                                                                 2580
accetteaca tteceaagga atatatteea aaacattttt gtgaatatet aagtttgtga
                                                                 2640
aactactagg gcatgataca gtaaggtgta attacagaat ttacgaaatg taaatgacct
                                                                 2700
ctacagagtt ttatggaata cctggtacta acgtaggcag ctgcaaaacc acactgagtt
                                                                 2760
acagetgtca geeeteetea tteetaaata aettgeetta catateagee eteecaette
                                                                 2820
tgaagttcaa attagtgcct cggaaatgta gaatttatta tttgtcattt tttttttt
                                                                 2880
agcatagatt gagaacagtt gaactettaa atcetcagat gecaggggte tgetetagee
                                                                 2940
atcagtaagt atttaggcag aaacctaacc ccgtaatgaa tggaattcca tttccacaca
                                                                 3000
ttggttggtt caagcacact taataagtag ccctattttt taaatgtctt tttaaaatgt
                                                                 3060
aaatatttgg atgaagtttt tctttgtttt gatatattca tttgctacac cgaactatgt
                                                                 3120
tttcagaatt catcttttga acaacttggt ttcagaatat gtaaaatgac tttaaggatc
                                                                 3180
ttgtgtatca aacctatccc cggatgtgtg agaataatgt gttcataaag catggatttc
                                                                 3240
ccaaaaaaa aa
                                                                 3252
```

```
<210> 7094
<211> 4514
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (39)...(2120)
<223> similar to gi5911842 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7094

```
60
cttttatgaa tgtcaagcta ttaattcaag acttggagga tattgagcag agggtgcctg
tgatggatgc ccaatacaag ataattacaa agacagcaca cctcattacc aaagaaagcc
                                                                      120
                                                                      180
cccaagaaga aggaaaagaa atgtttgcga ccatgtcaaa gctcaaagag cagctaacca
aggicaaaga atgitactcc ccactcottt atgagictca gcagcigtig attocgitgg
                                                                      240
aggaattaga aaagcagatg acgtcctttt atgactcact tgggaaaatc aatgaaatta
                                                                      300
tcacagttct tgagcgtgag gcacaatcga gtgccctttt taaacaaaaa catcaggaac
                                                                      360
tgttagcttg tcaagaaaac tgtaagaaaa ccttgacact tattgagaaa ggcagtcaaa
                                                                      420
gtgttcaaaa gtttgtgacc ttgagcaacg tgttaaagca ttttgatcag acgaggctac
                                                                      480
aaagacagat tgcagatatt catgttgctt ttcagagtat ggtaaagaaa actggagatt
                                                                      540
                                                                      600
ggaagaagca tgtggaaacc aacagtcgct tgatgaagaa gtttgaggag tctcgagcag
agttggagaa ggtactgcgg attgctcagg agggcctgga ggaaaagggg gatccagagg
                                                                      660
agetectgeg gagacacact gagtttttea gteagetgga teagagggtg eteaatgett
                                                                      720
                                                                      780
tectgaaage ttgtgatgaa etcacegaca teettecaga geaqqaqeaq eaqqqetqe
                                                                      840
aggaagetgt tegaaagete cacaaacaat ggaaggatet teaaggagaa geeeettate
atttgcttca tctgaagatt gatgtggaga agaataggtt cttagcctct gcagaagaat
                                                                      900
gcagaactga gctggatcga gagaccaagc tgatgcccca ggaaggcagt gaaaagataa
                                                                      960
ttaaagagca cagggttttc ttcagtgaca aaggtcctca tcatctctgt gagaaaaggt
                                                                     1020
tacageteat egaggaacte tgtgtgaaac teecagtgeg ggacecagta agggacacae
                                                                     1080
ctggaacctg tcacgtgact ctcaaagagc tcagagctgc cattgacagc acctacagga
                                                                     1140
agctcatgga agacccagac aagtggaagg actacactag cagattctct gagttctcat
                                                                     1200
cttggatatc tacaaatgag acacaattaa aggggatcaa gggtgaggcc atcgatactg
                                                                     1260
ccaaccacgg agaggttaaa cgtgccgttg aagagatcag aaatggtgtt accaaaaggg
                                                                     1320
gtgagaccct cagctggctg aaatccaggc tgaaagtttt gacagaagtt tcttctgaga
                                                                     1380
atgaagccca aaagcaggga gatgagctgg caaaattatc cagctctttc aaggctcttg
                                                                     1440
tgacgctgct gtcagaggtt gaaaagatgc taagcaattt tggggactgt gtccagtaca
                                                                     1500
aagaaatagt caaaaattct ctcgaagaat taatttctgg ctctaaagaa gtccaggaac
                                                                     1560
aagctgagaa gatcttggat actgaaaatc tgtttgaagc acagcagtta cttcttcatc
                                                                     1620
accagcaaaa gacaaagcgg atctcagcaa agaagagaga tgtgcagcag cagatcgcgc
                                                                     1680
aggcgcagca gggagaaggg gggctgcctg accgaggcca cgaggagctg cggaagctgg
                                                                     1740
agagcacact ggatggcctg gagcgcagcc gggagaggca ggaacgccgc atccaggtca
                                                                     1800
cattaagaaa atgggagcga tttgaaacaa acaaagaaac agtagtaaga tacctttttc
                                                                     1860
aaacaggttc cagtcatgaa cgcttcttga gttttagcag tttggaaagt ttatcttcag
                                                                     1920
aactggaaca aacaaaggag ttttctaaac ggacagaaag tattgcagtc caggctgaga
                                                                     1980
accttgtaaa ggaagcttca gagataccgc ttgggcccca aaataagcag ctgcttcaac
                                                                     2040
agcaggccaa gtcaatcaaa gaacaagtca aaaaattaga agacacgctt gaagaagagt
                                                                     2100
atgtgattga caagtcctaa actttcttct ctgagataaa gtttcataca atctttcctg
                                                                     2160
taccttgtat tcaaaacact cttttaaaat ctcaaagtgt ctgtgtattt cagcatgttt
                                                                     2220
tgaggaaaca actcacagtt caaaagaaag tatcgctaat acagaaacca atatctataa
                                                                     2280
cagagcccaa aaaatataaa ggatgtgggt tttgcatctt aaactgatca tgttcatgag
                                                                     2340
aaagccatat ctattctatt ctgtggcctt tgtacattgt agagggaatc ttgaaaaaga
                                                                     2400
actaatattt aaaataattt ttttactata ttattctgct gtcaccattt agagcgaaaa
                                                                     2460
ggagatattt tgttagtgta gattccaggc ctaaatacac atcacataga ccatatatct
                                                                     2520
ccaacctgaa gaagctcctg gagcttgttt acagtgcctc ggtattcaag ttatcctgac
                                                                     2580
taatatgctc tttccagaaa ttaactttaa aatattttat ttttaaactt ttaatgtttg
                                                                     2640
tttatctgaa aaaaaaaaac tgcttggcct attgatatcc tgttatatac ccaaaatata
                                                                     2700
caaaaaagtt tggaggggaa aaacatatga ggatacagcc aatattattc aaaacaatat
                                                                     2760
ggctaaacat ttctattttt aacataattt agtggcaaat caatgataca taatagcata
                                                                     2820
ttattattaa gggacaggcc atcatttcta aggtgggttt taaaatqtaa aatqtqtttt
                                                                     2880
taatactatt aacagcttaa aattaacatt ttacatttgc ctaaacttta aaatttgata
                                                                     2940
catattttat ttaaaacaaa ttatgacttg aaattttgag gactttatat tacattaaat
                                                                     3000
attetetate aagttatgga aatagtaaaa cagagtttat tagaaaggaa tttaetteta
                                                                     3060
ttaagaatag ccattttaac ctttatttaa tttaaaaagt tgcaatataa cacagcttgc
                                                                     3120
attacctgta ctgctgacag cattaggcac attcagggta taaatttgag actgcaatat
                                                                     3180
tatttaattt gacagtcaat gatgccactc tatttttctt gatgtcttca agtgcctttt
                                                                     3240
ggtaaacagg gacattcttt cactttttt ttttttaccc cagggactta ctagttcaat
                                                                     3300
tatatactgt tagtttctta gtctttttct aaactgaaag ccatagcccc cgggttatac
                                                                     3360
atgcatagct aatacaaatt aaaaatctat agttgaaatt ctgttcacta aatttgttac
                                                                     3420
```

```
aaataaaacc tataagttgt ctaaaagtag ttagggtgct catgtacaat aatttataaa
                                                                    3480
tgtcttttgg aatcaggacc ataagacatt tatgaaaatg gctgaagtca caaagattat
                                                                    3540
acatcgcagg attagctcta ataatagaaa cagttcttgc ccggcagcat gggattgaga
                                                                    3600
tcacgagete tgtettgatt gataagatge agtttataaa ggtattteta tagaaageat
                                                                    3660
cactgcagtg tctctccttt aagtgtaaga agaacatttc tttggaaata ggactattga
                                                                    3720
aaagctgtgt acactgaaat cttttctggc atagtttata aaaataagtc ctggcaacaa
                                                                    3780
ctggtcacat gcagagttta attagattct acctggattc aaaccccttt ggacccagca
                                                                    3840
atgttttgtt caaagtgcag tttcactcaa agtgtagata ctgcctcatt aaatgttcat
                                                                    3900
tctcagagaa gataggaaaa cctgataaac tactcagaac aactgtgcaa ttttttttt
                                                                    3960
agogtgaata gtttcaactt tgaaatggtc acaaatgtct tcattatctc ttcacctggt
                                                                    4020
gatttcaagg aaaatgtgtt gttgttctct attaaaatac tgagttttat ttacttaatt
                                                                    4080
tggttaattt tagtattaaa accatggaaa tggtgaaaac caagtgggat cattttqqca
                                                                    4140
gtaattttga gactctgtcc gtctggataa ctgagaaaga aaaagaactc aatgccttgg
                                                                    4200
aaacttcgtc atctgccatg gacatgcaaa tcagccaaat taaggtgacc tgctcacaca
                                                                    4260
ttatatttat aatccatgtc tagcttttaa qaactacttt cttacatttc atcaaatgct
                                                                    4320
gttcggtccc aggacaagac tttcattgca atgtgactat taaaattaaa ttcatacatt
                                                                    4380
ttatcaagct aagaggtctg gattaatact gggcaacatt tatagttgga attatgtatt
                                                                    4440
cacattgtct gacttgtgca ttcaaagtta atattgtgtg aaatatcatt aaaatatttt
                                                                    4500
tatggttaca ttaa
                                                                    4514
```

```
<210> 7095
<211> 533
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (57)...(479)
<223> similar to gi34194 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters
```

```
<400> 7095
60
cgaagcgagg acgtggtggg tcctctggtg cgaaattccg gatttccttg ggtcttccgg
                                                              120
taggagetgt aatcaattgt getgacaaca caggagecaa aaacetgtat atcateteeg
                                                              180
tgaaggggat caagggacgg ctgaacagac ttcccgctgc tggtgtgggt gacatggtga
                                                              240
tggccacagt caagaaaggc aaaccagagc tcagaaaaaa ggtacatcca gcagtggtca
                                                              300
ttcgacaacg aaagtcatac cgtagaaaag atggcgtgtt tctttatttt gaagataatg
                                                              360
caggagtcat agtgaacaat aaaggcgaga tgaaaggttc tgccattaca ggaccagtag
                                                              420
caaaggagtg tgcagacttg tggccccgga ttgcatccaa tgctggcagc attgcatgat
                                                              480
tctccagtat atttgtaaaa aataaaaaaa aactaaaccc attaaaaaaa aaa
                                                              533
```

```
<210> 7096
<211> 1643
<212> DNA
```

```
<220>
<221> misc_feature
<222> (132)...(1274)
<223> similar to gi4572583 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 7096 agggtcgacg atttcgtgct gaaggctcgg ttcatgccgt gcccccgggc agttctggtg 60 aggctaagca agaggcctct gcatcttgac acctaggaga gcagggacgg agtctcccag 120 ggtggaggac catgctgcgc cgcaagccct ccaatgccag tgagaaggag cccactcaga 180 agaaaaagct ctcccttcag cgctccagca gcttcaagga ttttgccaaa tccaaaccca 240 gctcccccgt ggtgagcgag aaggagttta atctggatga taacattcca qaaqatqact 300 caggtgtccc caccccagaa gatgctggga agagtggcaa aaagctgggg aagaagtgga 360 gggcagtgat ttcccgaacc atgaacagga agatgggcaa gatgatggtg aaggcctgt 420 cagaagagat ggcagacact ctggaggagg gctctgcctc cccgacatct ccagactaca 480 gcctggacag ccctggccct gagaagatgg cgctggcctt ttctgagcaa gaggagcatg 540 600 gttctggcag cttcggggag gaaccacctg cccccagta cacagggcct ttctgtggcc 660 gggcacgagt ccacaccgac ttcactccca gcccctatga ccacgactcg ctgaaactgc 720 agaaaggaga tgtgatccag atcattgaaa agccacctgt gggcacgtgg ctgggcctac 780 tcaatggcaa ggtgggctct ttcaaattca tctatgtgga tgtgctgccc gaggaggccg 840 tggggcatgc ccgcccagc cgccgacaga gcaagggcaa gaggcccaag cctaagaccc 900 tgcatgagct gctggagcgc atcggcctgg aggagcacac atccaccctc ctgctcaatq 960 gctaccagac actggaagac ttcaaagagc tgcgagaaac acacctcaat gagctgaaca 1020 tcatggatcc acagcaccgg gccaagctgc tcacggccgc cgagctgctg ctggactatg 1080 acactggcag tgaggaggct gaagagggcg ccgagagcag ccaggagcca gtggcacaca 1140 cagtgtegga acceaaggtg gacateeege gegacteagg etgetttgag ggeteggaga 1200 gcgggcgcga tgacgcagag ctggcaggca ctgaggagca gctgcaaggc ctctccctgg 1260 ccggggcacc ttgaggtggc ggtggcaata ggccagggct gggacccagc tgcaaaggct 1320 gtaggagtgg gcccagcctc ccgtggtggc ccaggccctg aggactggca ctgagcctgg 1380 ccctgcttcc ccagggacac ttagggccac agaggccagg ccagggccct acaggttcca 1440 ggctcagctg gagtggttgg ggagtcgccc aagggcacat cccacctgcc tgagccccgc 1500 cctccaccag cgactgacag cgcagcccct cctggcacca actgctcccc tgccatggcc 1560 acggccacag caagtggggc actggggaaac cctgcccatg tccctcacca acaaggcctc 1620 caaatcctcc tcacccccac acc 1643

```
<210> 7097
<211> 633
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (59)...(503)
<223> similar to gi455996 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7097
acgcggggac actttcttct gacataacag tgttcactag caacctcaaa cagacaccat
                                                                      60
ggtgcatctg actcctgagg agaagactqc tgtcaatgcc ctgtggggca aaqtgaacqt
                                                                      120
ggatgcagtt ggtggtgagg ccctgggcag attactggtg gtctaccctt ggacccagag
                                                                      180
gttctttgag tcctttgggg atctqtcctc tcctqatqct qttatqqqca accctaaqqt
                                                                      240
gaaggeteat ggeaagaagg tgetaggtge etttagtgat ggeetggete acetggacaa
                                                                      300
cctcaagggc acttttctc agctgagtga gctgcactgt gacaagctgc acgtggatcc
                                                                      360
tgagaacttc aggctcttgg gcaatgtgct ggtgtgtgtg ctggcccgca actttggcaa
                                                                      420
ggaattcacc ccacaaatgc aggctgccta tcagaaggtg gtggctggtg tggctaatgc
                                                                      480
cctggctcac aagtaccatt gagatcctgg actgtttcct gataaccata agaagaccct
                                                                      540
atttccctag attctatttt ctgaacttgg gaacacaatg cctacttcaa gggtatggct
                                                                      600
tctgcctaat aaagaatgtt cagctcaact tcc
                                                                      633
     <210> 7098
     <211> 820
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (32)...(486)
     <223> similar to gi513467 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7098
ctttcccgag cttggaactt cgttatccgc gatgcgtttc ctqqcaqcta cattcctqct
                                                                      60
cctggcgctc agcaccgctg cccaggccga accggtgcag ttcaaggact gcggttctgt
                                                                      120
ggatggagtt ataaaggaag tgaatgtgag cccatgcccc acccaaccct gccaqctqaq
                                                                      180
caaaggacag tettacageg teaatgteae etteaecage aatatteagt etaaaageag
                                                                      240
caaggccgtg gtgcatggca tcctgatggg cgtcccagtt ccctttccca ttcctqaqcc
                                                                     300
tgatggttgt aagagtggaa ttaactgccc tatccaaaaa gacaagacct atagctacct
                                                                     360
gaataaacta ccagtgaaaa gcgaatatcc ctctataaaa ctggtggtgg agtggcaact
                                                                      420
```

tcaggatgac aaaaaccaaa gtctcttctg ctgggaaatc ccagtacaga tcgtttctca

tetetaagtg ceteattgag tteggtgeat etggeeaatg agtetgetga gaetettgae

agcacctcca gctctgctgc ttcaacaaca gtgacttgct ctccaatggt atccagtgat

tegttgaaga ggaggtgete tgtageagaa aetgagetee gggtggetgg tteteagtgg

ttgtctcatg tctctttttc tgtcttaggt ggtttcatta aatgcagcac ttggttagca

gatgtttaat tttttttaa caacattaac ttgtggcctc tttctacacc tggaaattta

480

540

600

660

720

780

820

```
<210> 7099
<211> 869
<212> DNA
```

<213> Homo sapiens

ctcttgaata aataaaaact cgtttgtctt gtcttctgcc

```
<221> misc feature
     <222> (52)...(825)
     <223> similar to gi433899 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7099
cccacgcgtc cgcccacgcg tccgccgcgc tggtgaacag gacccgtcgc catgggccgt
                                                                       60
gtgateegtg gacagaggaa gggcgceggg tetgtgttee gegegeacgt gaageaccgt
                                                                      120
aaaggcgctg cgcgcctgcg cgccgtggat ttcgctgagc ggcacggcta catcaagggc
                                                                      180
atogtoaagg acatoatoca ogacoogggo ogoggogo cootogocaa qqtqqtotto
                                                                      240
cgggatccgt atcggtttaa gaagcggacg gagctgttca ttgccgccga gggcattcac
                                                                      300
acgggccagt ttgtgtattg cggcaagaag gcccagctca acattggcaa tgtgctccct
                                                                      360
gtgggcacca tgcctgaggg tacaatcgtg tgctgcctgg aggagaagcc tggagaccgt
                                                                      420
ggcaagctgg cccgggcatc agggaactat gccaccgtta tctcccacaa ccctgagacc
                                                                      480
aagaagaccc gtgtgaagct gccctccggc tccaagaagg ttatctcctc agccaacaga
                                                                      540
gctgtggttg gtgtggtggc tggaggtggc cgaattgaca aacccatctt gaaggctggc
                                                                      600
cgggcgtacc acaaatataa ggcaaagagg aactgctggc cacgagtacg gggtgtggcc
                                                                      660
atgaatcetg tggagcatce ttttggaggt ggcaaccace agcacatcgg caagcectee
                                                                      720
accateegea gagatgeece tgetggeege aaagtgggte teattgetge eegeeggaet
                                                                      780
ggacgtctcc ggggaaccaa gactgtgcag gagaaagaga actagtgctg agggcctcaa
                                                                      840
taaagtttgt gtttatgcca aaaaaaaa
                                                                      869
     <210> 7100
     <211> 1021
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (205)...(944)
     <223> similar to gi23114 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7100
cggaagtggc gatcggagcg gaagtggagc taccgccacc gccgccgccg attccggagc
                                                                       60
eggggtagte geegeegeeg eegeegetge agecaetgea ggeaeegetg eegeegeetg
                                                                      120
agtagtgggc ttaggaagga agaggtcatc tcgctcggag cttcgctcgg aagggtcttt
                                                                      180
gttccctgca gccctcccac gggaatgaca atggataaaa gtgagctggt acagaaagcc
                                                                      240
aaactcgctg agcaggctga gcgatatgat gatatggctg cagccatgaa ggcagtcaca
                                                                      300
gaacaggggc atgaactctc caacgaagag agaaatctgc tctctgttgc ctacaagaat
                                                                      360
gtggtaggcg cccgccgctc ttcctggcgt gtcatctcca gcattgagca gaaaacagag
                                                                      420
aggaatgaga agaagcagca gatgggcaaa gagtaccgtg agaagataga ggcagaactg
                                                                      480
caggacatet geaatgatgt tetggagetg ttggacaaat atettattee caatgetaca
                                                                      540
caaccagaaa gtaaggtgtt ctacttgaaa atgaaaggag attattttag gtatctttct
                                                                      600
gaagtggcat ctggagacaa caaacaaacc actgtgtcga actcccagca ggcttaccag
                                                                      660
gaagcatttg aaattagtaa gaaagaaatg cagcctacac acccaattcg tcttggtctg
                                                                      720
```

<220>

```
gcactaaatt tctcagtctt ttactatgag attctaaact ctcctgaaaa ggcctgtagc 780 ctggcaaaaa cggcatttga tgaagcaatt gctgaattgg atacgctgaa tgaagagtct 840 tataaagaca gcactctgat catgcagtta cttagggaca atctcactct gtggacatcg 900 gaaaaccagg gagacgaagg agacgctggg gagggagaga actaatgttt ctcgtgcttt gtgatctgtt cagtgtcact ctgtaccctc aacatatatc ccttgtgcga taaaaaaaaa 1020 a
```

```
<210> 7101
<211> 950
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (947)...(621)
<223> similar to gi4769004 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7101 cggttttacc attttaacaa agcttctctc tgtgcccaca tggatgccac ttagtcctcc 60 agaagcccac agtacagagg aggaaagttc agagtagaga gacaacttgg ccaagattgc 120 catcagtacc caagctgtgg aaccaggact cagaactggg tttgatgact gaatcccaca 180 ttetteeete ttteagetge eeactgetgt cacacaggag aaagaaggge tgactgetgt 240 tttcgggagc cggtgatcca cactctgcct tgagctgttg gattcctcgt ccactaaggt 300 gatgegetee agaggacaac cettgetetg geeeegatga acaaacattt cactttcaaa 360 agetgagttt teageettgg agggggagae ttetteattt atgtteaett tgtteaeata 420 caccaagaga gagcatccgt tccagaatcc aactggactt tatttgacac agaatacaat 480 atggctacag aaacagcaaa ctgaaaaaac aaagcagaaa aaaacacagt tccatccaat 540 ttgtaattag gtaacagcag ggaaagtcat taaatgaata acaaaacaat taagcttgat 600 ggaagaagtc ttttcctagt gcccatactt ttggaattcc cactctctgt tqtccaatqq 660 acacacctgt cgtgttttga gccagcgaga gatgcagtgg aagtgaaaag catggttaca 720 gactccccat gcgacagtac actcttctga agtagcggac gcctggttag cttgacattc 780 tatgcaaaga tccataatgt ggttcctgca gatggcacag ttatcaacca caatatccca 840 ggcccagagg gctactgcat tccacttttt cacttcaaag cgcttcttgc ccgcgccgct 900 gttggtgccg ctcggggtat ccacatccat cgctgccgcc attttggaaa 950

```
<210> 7102
<211> 725
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (140)...(430)
<223> similar to gi4309884 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7102 cacagggetg eggageagea acteteaega tatttgetge gaceegeagg egetateege 60 tgccgggttc tggcgcgccc tttcagttct gcttgctgtc ggcaccgctg cgttacccgg 120 aaccgccggg ccgaacagca tgacgtccgc tttggagaac tacatcaacc gaactgttgc 180 cgttattaca tcagatggga gaatgattgt gggaacactg aaaggttttg accagaccat 240 300 taatttgatt ttggatgaaa gccatgaacg agtattcagc tcttcacagg gggtagaaca agtggtacta ggattataca ttgtaagagg tgacaacgtt gcagtcattg gagaaatcga 360 tgaagaaaca gattctgcgc ttgatttggg gaatattcga gcagaacctt taaattctgt 420 480 agcacactga ggaaaaacta catacttgga catctgtaaa tctttgtaca gaaactgatt attctgagga tgatatatgg agtttttatg aatgtgtcac tggattttga ctccttattg 540 attcattgta atatgtaaat taaaatattt ctacatttta ttgaaaaaaa aaccttttt 600 tttgcctaaa tataagtttg gtagcttggt ttctttttt tattaaatag tgtgaaaata 660 taatggggca ttttgaaaac ttttaggaaa aaagtaggta ctttttgata ctttagtatt 720 tatgg 725

```
<210> 7103
<211> 1744
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (171)...(952)
<223> similar to gi29481 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7103 cggacgcgtg gggccggcgg cagtgatgag tcctaggagg cgctggctct ttggcggctc 60 ggaggagcgg ctgctgctgc tgctgctgct gctggtggcc cctttgcaga tgtattgctg 120 teettgaata ttageceatt tgaaaaegee tgggaagtte agecateagt atgtecaagt 180 acaaacttat tatgttaaga catggagagg gtgcttggaa taaggagaac cgtttttgta 240 gctgggtgga tcagaaactc aacagcgaag gaatggagga agctcggaac tgtgggaagc 300 aactcaaagc gttaaacttt gagtttgatc ttgtattcac atctgtcctt aatcggtcca 360 ttcacacage etggetgate etggaagage taggecagga atgggtgeet gtggaaaget 420 cctggcgtct aaatgagcgt cactatgggg ccttgatcgg tctcaacagg gagcagatgg 480 ctttgaatca tggtgaagaa caagtgaggc tctggagaag aagctacaat gtaacccgc 540 ctcccattga ggagtctcat ccttactacc aagaaatcta caacgaccgg aggtataaag 600 tatgcgatgt gcccttggat caactgccac ggtcggaaag cttaaaggat gttctggaga 660 gactccttcc ctattggaat gaaaggattg ctcccgaagt attacgtggc aaaaccattc 720 tgatatetge teatggaaat ageagtaggg caeteetaaa acaeetggaa ggtateteag 780 atgaagacat catcaacatt actottocta ctggagtoco cattottotg gaattggatg 840 aaaacctgcg tgctgttggg cctcatcagt tcctgggtga ccaagaggcg atccaagcag 900 ccattaagaa agtagaagat caaggaaaag tgaaacaagc taaaaaatag tctttctcaa 960 ctgttggcta agaagaaatg caaaagaagt ggcataggag tgtgttatgg gtgctgaact 1020 ctctctcttt ttccccgatt ttccagagct aggctgtgga gtagagtttg tataggtaac 1080 taggtaactt attgtggccc agataaggct ttaggatgcc tcagtgctta tgtcatagcc 1140

```
1200
ttatgagtta gctttcttgc tagccccctt agtcggtcac aacatagtta cctagtgggg
                                                                     1260
cttaatgaag gtccataagt ttctgagatg ggagagcaac aagtagagat gaagttaaag
                                                                     1320
gtatttatca ttcaagaaat cattattgag tcaccattga caggcactat tctaatcagt
                                                                     1380
agttcacttt aatatttaat aagattttct gggataacag taagggatat tagataatat
                                                                     1440
acceptatgta tttattacta gtcttttcct ctaggaaaag ggatactttg ataattaagg
                                                                     1500
ccagaggccc attagttgag aaagtcacag atatatttct ccaagaaagc caacaaccac
                                                                     1560
caccacaatg acagaaatga caacaaggcc ctttaacttg tcttctagtt tagagacatc
                                                                     1620
cttcatttga catttagtag aattcctctt tggccacaag aataagcagc aaataaacaa
ctatggctgt tgaggttctc attttggttt gttttaattt tttgaacttt gggtacctgt
                                                                     1680
                                                                     1740
aattagttta aaaataaagt tootgataat aaagtgactg aaaatggcat coccaaaaaa
                                                                     1744
aaaa
```

```
<210> 7104
<211> 1758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1495)...(835)
<223> similar to gi3873414 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7104 60 120 aaaataaatt cagtgttcac atttctataa agaattaacc cagtttcagg aaaccctgcc 180 ccagcagggc aggtaagcaa ccctctccct gcccacatct agtttgattt cacgccctga 240 tgcttcaagg tgcccagaaa agcggcagct tgtggaagag gaaatctatg cccggcccgt 300 gcttggggcc cagggctcag taagctttcg agaaagcaga ggggaagact agcttactgc aaaaaccttt ttaaaaaata ttcatacact tcagtgagcg cctgttgaga cgttagggga 360 420 acaagagett ggaaacatee egteeaggee attgggagge agegtettee teacaceeeg 480 tecetggatg tegggggtge agggggaagg teceggetet tecaetggag aaaggagaet cacctggctt cctagttcat gtttgactat ttcctctaaa acctgtgctg agtctttgac 540 600 tgcatgcacg ggaagcacaa acgttcggct tgtatgcaaa aaaagtacaa aaacaactag 660 aatataaaag ttttggtaat ataaggccat ctgttcaagt ccaccttgga aacctgtaac 720 agatatttaa atactacagt gaaaaggcat cttaatatac tttttaaaaa catctgaagt 780 tttgaagaag ggaaagtggg gcggggaggg cacggggccc accggttaat gcttcagcca 840 900 egggtggget teaatggaag cettgetgeg gteeceatag teatacagga geteeteece 960 tttggtttgg cagttcccac atttgctgtg attgatcagt cttcctaggc gatttgtctc 1020 tctagttgca tccacgcagt aggttttgct cagatactga aaatagtaca tgtagcagcc 1080 cgtggaaggg tcctgtgcgt acagagcctc ccgtttcttg gcgtcggtga tctcgatgag 1140 gtccccgtgg tattccacca caaagtcacc ccgggagaac tgcttggtgg caatcacacc 1200 1260 ttcatctatt cttttccttt cttcagactg cagctcggct ttgctcttcc tggagctcct 1320 teggacaggg tagaaateeg taagtttgeg attetgttge gttttteett gagetttttt 1380 teggggggee tgtttgeeet tgatgggett ttteaggget tgettggega tggetgeatt 1440 1500 ggtggaatca caagatgagg gtggagtttt tggaggttct gctgcttcag atttttggtt tggaaaaggt accaggggac ctttcctggc gtctttgatc ttctgttcct cggacttcat 1560

```
ggcgctccgt actgcgttcc cagcatttct tttctcttct cgtttcctgt agattccggc 1620 taatggtttc ccctggcatt tgacttcgtg atgtgtaact gagttctctt cctgaagggg 1680 gaaacgcatt ccagagcatt tgttcgggct catgtaggaa tagatctttg actgcatgca 1740 cgggaagcac aaacgttc 1758
```

```
<210> 7105
<211> 3834
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3738)...(387)
<223> similar to gi312142 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7105 atttatttaa ttcccttgaa agtctcatat acaccactaa gtagtcacat tcacaaactt 60 aatttttata aattcagcag cagtcttagg aatcctagga gaagaagaac tccataaaaa 120 tgcaactgta atagtcagtg agagaggtga atttttatgg agttcttctt ctcatataca 180 ccactaagta gtcacattca caaacttaat ttttataaat tcagcagcag tcttaggaat 240 cctaggagaa gaagaactcc ataaaaatgc aactgtaata gtcagtgaga gaggtgaatt 300 tetgetecat teaatagtee aggtetteat caaggtatet taaaggetga acteactggg 360 ttataaattc ccattttcct tttcagtgtg gctcagaatg gcctcctgag gaattcatta 420 ggtccagatc atctgcattc aggcaagaat tcatctcccg gtattgaatt tggtgqacta 480 agttetetee tettgaggaa aetgeaagee getgtetetg tettegettt ttagteaaga 540 agaataatgc gacgaaaatg gccaacagaa caaccccaag gatcccgact gcaataaagg 600 atgactgacg ggatgagcga cctgttgtgg ctttttgtgg ggttttctgc actgaaatat 660 ctgtgcaatt cactgcageg tetteettgt geccacacte actatggccc cagegtetgg 720 caggacaatc ccacaaggaa gactcattcc ctttgcactt cacttcattg agccatatcg 780 gtccagtccc ctgaccaaac tctgcttctt tgaatgcttt caaagctgga ccacagccaa 840 gttgttgaca caccacctga gcatcgtcca agtcccaaga gtcatcacac actgtcccc 900 aggaacetee atgecagate tecacaegte cagaacagga agtgggteet teetgaagte 960 ttatcttgtt gtcacatgtg atccaggtct cctccgaggg gctggccagt ctcttctccc 1020 atggagatga tgggcactgc cacagcgtgt caggtccttt tggacactga acattgtcca 1080 eccacatggg aatggacatg geettgteta aagatgeagg gttgatttte cetttgtetg 1140 cacageceag etgeetgeac accaeacea cagtggttte agacatgeta etettgecaa 1200 cagtgcccca agetccattg taaaaaactt ccagacgccc tgcacaggcc tctctgctgg 1260 cttcactggt cagtctcaga gacatgaatt ctgagcagat aactcccgca tcctccttgt 1320 gcctgcaatt ttgctgcccc cagccgtgtg aatggcactg ccaaatgcgg gattcttttc 1380 cattgcattt catctcatcc agccagatgg gccctgttcc ttccccaaaa tgagcagaac 1440 cagtggcatt aatggcctct ccacagccca gctgtctgca aaccacgtgg gcatcactca 1500 ggtcccagct gtcatcacag atggtgcccc aggagccctc atgatagatc tctactctcc 1560 cagcacageg acetecteca tttaccagge gaagttgace actetetatg caggecacag 1620 cactttcttc tggaatggta ggccttgttg ggcccaaaga cgatgaattg cacgaggaca 1680 gtgtttggga ctggtttcct gagcagatta cagaggccac ttgctctgaa ggacataatg 1740 aagcacctag agcagttaca ggacaatete ecatgtgetg etcagteeca gtgcagtgaa 1800 acatatgcct ccagatctga ccatttcctt ttccaaaacg tgctcctcct ggggtagaaa 1860 gggcaactcc acatttaagc tgctggcaaa gaacatgggc atcttctatg tcccagtgag 1920 agttacagag ggatccccag gcaccaagcg ttttgagctc cactctgccc tcacacqqqq 1980

```
tettgecatt caccaagega atttetgtgt atettgagea gactaeteea acatecetge
                                                                     2040
tgtggctaca agttccttct gggcggggtg ctactgggca gagtgaaaga tgggactcat
                                                                     2100
gtccctcaca ctggaattct tcagcccaga tctgtccatt tccctctcca aagtgagctc
                                                                     2160
cccccaggat agagacaact gtgccacact gtaattccct gcatagaacg ctggcagctt
                                                                     2220
ccagagagaa gtccgaatca cagatggagc cccacgtgtc accatgcttc acttcaacac
                                                                     2280
gtccagaaca gggaatgtcc cctccaacca gtctgggttc cctgtgggct gagcaggtaa
                                                                     2340
ttttggcttc ttcatagtga tcacaggtaa gtccacccca ttgccagttc ttgcagtccc
                                                                     2400
aaagagaagt ttcatttccg ttacagctac ttagaaacag ccatgtgttt gttgcctgga
                                                                     2460
ttttggagta cacttgataa gatgttttga gtgcagatcc acatcccagc tgcctgcaaa
                                                                     2520
ccacatcage ttettteagt ecceageete tgteacacae ettecetaae agtetetgaa
                                                                     2580
tetecacete aactgteeca geacagegge tgeeteeace tetaagtett ageteeagat
                                                                     2640
ctgatccatc agaacatgtc acgccagcat cttcattgtg attgcaataa tgctttcccc
                                                                     2700
attcatggtg tttacattgc cagacagcag gttcatgtcc ctggcaagaa acqctgtcaa
                                                                     2760
gccagatgtg tccaaatccc ttactggcgt taactcgacc aatggctgtg acggcagttg
                                                                     2820
gacateceag ttgettgeat gecaeageag categtaact gteecageeg teateacata
                                                                     2880
ttgtccccca ttctccttgg aatctcactt ctaatcttcc tgaacattca gtgactccat
                                                                     2940
ctaccagtct caggetcaga tetgeteect ttgageaaat caetecagea teetcageat
                                                                     3000
gatcacagtt atgctttccc catccttgat gtttgcagtt ccagagagct gactcatttc
                                                                     3060
cgttgcatat aagatcatca aaccagattg gtccagagcc ttctccaaaa ttagatgaac
                                                                     3120
cagagaaact gacagcactt ccacattcaa gttgtctaca aatgacagat gcatgatcta
                                                                     3180
tgttgaagtt atcatcacac actgttcccc accgtccttg gaatttgatc tctattcttc
                                                                     3240
cagaacacat atteceteca egegteagee teattteeaa attggateea tetgageagg
                                                                     3300
teactecage atettgttgg tgagtacagt tactatgett tececateca teatgtttge
                                                                     3360
aatcccaaag agctgactca ttcccacgac aagaaacatg atccatccaa atgcgtccag
                                                                     3420
aacctgcact ggaattagec catecagggg ctttgatage agttggacat eecagetggt
                                                                    3480
tacaaatcac agagaccgct tccatgctcc agccattatt acacaccgtt ccccactcct
                                                                     3540
cctggacttt cacttccact ctcccgctac acttgttttc accatccact agcctcagct
                                                                    3600
ccttgtctgt tcctccaaga gaactggtga caaaacaggc actgagaagt aagaccacag
                                                                    3660
taatggtgaa gggactcagg ttgacaaaat gtcttctgaa gtcagcagat ccaqaqtctt
                                                                     3720
caagtagcac cattctgagt ttgctcattc caaagattta taacttcaat gattcctaaa
                                                                    3780
tettettgta ttatteeeta gaaatgttet tetaaagaaa acaaetaaga atte
                                                                    3834
```

```
<210> 7106
<211> 1826
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (89)...(781)
<223> similar to gi6013425 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7106
gacgccggac gtgcggcagt tgcaggcgag caggcgagga atcgccgtgg cgtcttggtg 60
ttctccacgc tggttcgcag gtgaagagat ggcgtttgtg aagagtggct ggttgctgcg 120
acagagtact atttgaagc gctggaagaa gaactggttt gatctgtggt cggatggtca 180
cctgatctat tatgatgacc agactcggca gaatatcgag gataaggtcc acatgccaat 240
ggactgcatc aacatccgca cggggcagga atgtcgggat actcagccc cggatggaaa 300
gtcaaaagac tgcatgctcc agattgtttg tcgagatggg aaaacaatta gtctttgtgc 360
```

```
agaaagcaca gatgattgct tggcctggaa atttacactc caagattcta ggacaaacac
                                                                      420
                                                                      480
agegtatgtg ggetetgeag teatgacega tgagacatee gtggttteet cacetecace
atacacggee tatgetgeae eggeeeetga ggtagggaga accetgagee tecageagge
                                                                      540
ttatggctat gggccatacg gtggtgcgta cccgccagga actcaagttg tctacgctgc
                                                                      600
gaatgggcag gcgtatgccg tgccctacca gtacccatat gcaggacttt atggacagca
                                                                      660
gcctgctaac caagtcatca ttcgagagcg ctatcgagac aacgacagcg acctggcact
                                                                      720
                                                                      780
gggcatgctg gcaggagcag ccacgggcat ggccttaggg tctctatttt gggtcttcta
ggggcctcaa ggtcttgatg tgcatagctt ctgataaccc tgtgtgcaat aatatgattt
                                                                      840
gcagggcatt tctgtttgtg acaaaagttt ttaataatag ttttaatcat tcctttgaaa
                                                                      900
gtagtgatgt cataattgta ctaatccaca taagtaccac agagaagggt ttgaactgtg
                                                                      960
ctattttgtt caaatgttga ctctccgggg gcactggctc attccaagac tgttcttgtg
                                                                     1020
caactctcag aataccttat ttgagcatac ctgttttgaa aggcattttc tttttagagt
                                                                     1080
taggtgtagt gcttaagggt taatttattt tcatgttatg ccagtaatat agtgttgtat
                                                                     1140
gcctattgag tgattgtggc aagaaaagct acagcttctt tgcgtttaac tttttcaaac
                                                                     1200
cacagaccag aactggttgc atgttacttt aggagttgtg ggttggtaag ctcccaggta
                                                                     1260
cttcccgagg ctatggtgtg agagececeg tectgeeete tggggeteca caggeceetg
                                                                     1320
gcaaggccga tggctcagga tgatggggca cagcccgcct ttgaacaatc atgcttcaga
                                                                     1380
aatctgcctg accctagctg ctgctgctgg ctcactttat tcttgtatgg ctttggtagg
                                                                     1440
catacttgga gaacatatcc cacattaggg aattgattta agcctgagag tttgagggct
                                                                     1500
ttaatccttt aaaacttgga gaagctggct ggggcgcggt gggttcacgc ctgtaatccc
                                                                     1560
agcactttga gagaccgagg ccgggccgga tcacgaaggt caggaagatc ggagaccatc
                                                                     1620
ctggctaaca cggtgaaacc ccatcttcta ctaaaaatac aaaaaattaa cctgggcgtg
                                                                     1680
gtggcaaggc gcctgtggtc ccagctactc gggaggctga ggcaggagaa tagtgtgaac
                                                                     1740
ccgggaggcg gagcttgcag tgagccaaga tagtgccact gcacttcagc ctgggtgaca
                                                                     1800
gaagcgagac tccgtctcaa aaaaaa
                                                                     1826
```

```
<210> 7107
<211> 1192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (101)...(504)
<223> similar to gi50548 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7107
ggcacgaggc tggctggaat ctctcagcct cacctgccag acaacacccc ctccttcctc
                                                                       60
accetgtete etgeattete etgaaacett catecacaca atgeeteeca accteactgg
                                                                      120
ctactaccgc tttgtctcgc agaagaacat ggaggactac ctgcaagccc taaacatcag
                                                                      180
cttggctgtg cggaagatcg cgctgctgct gaagccggac aaggagatcg aacaccaggg
                                                                      240
caaccacatg acggtgagga cgctcagcac cttccgaaac tacactgtgc agtttgatgt
                                                                      300
gggagtggag tttgaggagg acctcaggag cgtggacgga cgaaaatgcc agaccatagt
                                                                      360
aacctgggag gaggagcacc tggtgtgtgt gcagaaaggg gaggtcccca accggggctg
                                                                      420
gagacactgg ctggagggag agatgctgta tctggaactg actgcaaggg atgcagtgtg
                                                                      480
cgagcaggtc ttcaggaagg tcagatagcc ggagaggagc caagatccct ccagacagca
                                                                      540
ccagctcaca gacgctcttg ttgtgccccc ttcaagccca gattgtgcca ggtcagctgt
                                                                      600
ecetteetet ggecaeettt ecteetetg ggteeeteet caeeeetee egtgttaate
                                                                      660
tgtaacttgc agcccccagg ccaaagtcct ttctcacact ccactgccca atagtgacct
                                                                      720
```

```
cacttccagg tcaaggtctg gcgtcccaaa tgaaagaagc aggcaaaqqq aaqqagcccc
                                                                      780
tgagaacaac caatctccgc tctctcctgt ccatttgacc tcttcttttc cttctaagaa
                                                                      840
agaactaagc tttgggcatt tggcgattag tgaaaattct atcctgatgg acttctggaa
                                                                      900
aactgtgact ggggttcaag agtttaaaca ggggctactg gcagagtctt tttgtccatt
                                                                      960
tetttgteet tattettgag aaagteteat gtgeteaaca aaaccaggee caagacacag
                                                                     1020
cccccacac acagggttca acggactcca cggttctgac atctgaaggc atctggccat
                                                                    1080
ttgatacttc catcctatgt gttgggaatg agggatggaa tggggtaaga cctttgtcca
                                                                    1140
gtgcttgggg aggcggggag cttctaaatg gtgacctgtc ctccgtacga aa
                                                                     1192
```

```
<210> 7108
<211> 1779
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1780)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1462)...(775)
<223> similar to gi3879734 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7108 ttttttttt atttccaaag gttttatttt atatattgtt tgaagctttc tcaggctttg 60 cactaaatgc atgtcaggtg catattcaat ctctttcaaa ggaaacatgg cagttgagta 120 tccagaacac aagtgagtac cgtatacttt aaaagaatgc ttacagagct ctcctcttcg 180 gccatgagaa aaaaaaacaa gtacctgcag aagtgagcga tacccaatgc tctcccagac 240 acacgcctgg ggtgcttact gtcaatgaca ctcctccaca ccaacatgtg gtccaaaata 300 gaatccctct catcttccat tacactcttt taaaaaaatgc agagaaaata tgaattaact 360 catcttaaat gtgagagaaa cagggggaaa aggacaagtt aatgcacaag cacaatacac 420 aatggtaatt tttcttttca aaagatatta tggaatgtat tactagcagc ataaattcca 480 acaaaaagtt gggcacccag atttggttat ttagattaaa aatatttatt acaggcagat 540 ttgcttttcc caggaaaaca tatcactgga aacatttgga gaatgcaaac tgggttaaac 600 ctattcccaa gtccattatc aagtaaggta tccctaaaga aaaagatagg agtttaaaac 660 720 cagaatgatc ctttacgttt tacagtcttt aattaagcac ataaaactgt actatttaat 780 atatttctcc atgaactttt tgtgaaattc agatcgcagt gtgtcattta caaatctttt 840 gtctttcttc tggtcatcta caccttttgc acagttcttg aagacaacgt catcatccca 900 ccttctttta actttgaagt tggcctgagg ctgggatggg ccagtgagat taaggagagg 960 gtttccgctc agaatgtttt ccatacgaat cctctcttct tcagcttttt gttcttgttc 1020 cttcctggcc tgctcttcag ctctttcttt tttaattttt tccagttctg caagaagagc 1080 tgcagtatca tcatcatcac tttcttcttc aaaatcttca tcttcctcat ctgttagagg 1140 gtcatctgca tcaaggttgg cggcaggaat ctggtctaac cgtggctttt ttgacactga 1200 agaggaggtt gtatgttctc gggttggacg atccctattt ttctctcttg cagcagctct 1260 ctctctttct tccaactctc tcctgaagtc acggttacga acctcttcag gggcatcctg 1320 agtagtctgt ctgtatttta tctttgtatg agagggtagg tctctgcttg aatactgctt 1380 tgaaagttgg ctcaaatcac cttctccttt tccccttcca cctctggcag gttcaaaggt 1440

```
tggcctggct gctgttgtca tcttttatgc tggggttcgc tttacgcagt aggcgagctg 1500 cctgtacgct gcgatctcct cggcgggccc aagagctcca gacgcgcctg acaggcactc 1560 ggttccgcc ctagcccgct gctccagggc ctccaccgcc cgcgctctgc actctgccgc cgactccgac cccaactgcc ctttcccgtc ccatcgcgat aagaaagata atctcctatc 1680 ctcttgccgc tcacactggc cgaggtccga tgcagcaggc tccgaagatc atacagacgc 1740 gaattccacc acactgagta gtgaaacagt angagcact 1779
```

```
<210> 7109
<211> 1884
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (328)...(1135)
<223> similar to gi4884468 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7109 ctgaagtggg agctacgtcc cggaggtgcg gtgtggggca ccggggggg cgcgggaacc 60 ggcgccccac ggagctgctg ctgtcagacc aaccccgggc ccccatcatc actgcgccgc 120 gettteagge geegagaact acceptteeeg geatgeeatg aaattggeet eggegetgag 180 geggggteeg geeeteeace egeteeegee gegegegaat egeggtegeg ageeatggag 240 gaggaggcat cgtccccggg gctgggctgc agcaagccgc acctggagaa gctgaccctg 300 ggcatcacgc gcatcctaga atcttcccca ggtgtgactg aagtgaccat catagaaaag 360 cctcctgctg aacgtcatat gatttcttcc tgggaacaaa agaataactg tgtgatgcct 420 480 ctggatgagc acatcattcc actgggaagc atggcaatta acagcatctc aaaactgact 540 cageteacee agtetteeat gtatteactt cetaatgeac ecaetetgge agaeetggag 600 gacgatacac atgaagccag tgatgatcag ccagagaagc ctcactttga ctctcgcagt 660 gtgatatttg agctggattc atgcaatggc agtgggaaag tttgccttgt ctacaaaagt 720 gggaaaccag cattagcaga agacactgag atctggttcc tggacagagc gttatactgg 780 cattttetca cagacacett tactgeetat tacegeetge teateaceca cetgggeetg 840 ecccagtgge aatatgeett caccagetat ggeattagee cacaggeeaa geaaaqagte 900 agcatgtata aacctatcac ctacaacaca aacctgctca cagaagagac cgactccttt 960 gtgaataagc tagatcccag caaagtgttt aagagcaaga acaagatcgt aatcccaaaa 1020 aagaaagggc ctgtgcagcc tgcaggtggc cagaaagggc cctcaggacc ctccggtccc 1080 tecaetteet ecaettetaa atecteetet ggetetggaa acceeaceeg gaagtgagea 1140 ecectecete caacteceta ceagetecag agtggtggtt tecatgeaca gatggeecta 1200 ggggtgacct ccagttttgc gtgtggaccg taggcctctt tctagttgaa tgaccaaaat 1260 tgtaaggett ttagteecac egacattage eaggetegta gtgaggeete eagageaggt 1320 tgtgctgtcc cctgcctcta gaagcaatgg ggaatttgga atcttgtgta agtgcccaaa 1380 taagtctgag tgctttcctc ttcttcaaca ctcaaccctc aatcccttag cactgattga 1440 ttagagaggt cccccaaaga aaccactggt tttgacccat gaagcattag aactgcattg 1500 ttcattcagg agccactagt cacatatgac tatttaaatt taaagtaaat tgtatgaaaa 1560 attcatttct tcaattgcat tagccacatt ttgagtattc atgtggctgg tagattctgt 1620 attagcacaa agatatggaa catttccatc accacagaaa gttctgttgg acagcactgc 1680 attagaatat tttcatactg ctcttcctca attaattttt gttgttaatg ttgatgtctt 1740 cattggatgg gtcataatgt tccatgaaac ctctcaagta cacaattgta tgttctttgt 1800 atcccttacc acaaatatct cgctctgctc atttcttttg cagcttccta taaagtttgt 1860

```
<210> 7110
     <211> 450
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (75)...(243)
     <223> similar to gi4468341 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7110
ceteetttee etttegggat teeegaeget gtggttgetg taaggggtee teeetgegee
                                                                       60
acacggccgt cgccatggtg aagctgagca aagaggccaa gcagagacta cagcagctct
                                                                      120
tcaaggggag ccagtttgcc attcgctggg gctttatccc tcttgtgatt tacctgggat
                                                                      180
ttaagagggg tgcagatccc ggaatqcctg aaccaactqt tttqaqccta ctttqqqqat
                                                                      240
aaaggattat ttggtcttct ggatttggag gcaatcagcg gacagcatgg aagatgtgtg
                                                                      300
ctctggctcg gataagagat gggacatcat tcagtcacta gttggatggc acaaggctct
                                                                      360
teacagaege atetgtagea gagtggaaet tgtaetaaet tatgatagaa tgtateagaa
                                                                      420
taaatgtttt taacagtgtt aaaaaaaaa
                                                                      450
     <210> 7111
     <211> 2145
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (354)...(1374)
     <223> similar to gi2262107 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7111
attgaccete getgeacgaa tteggeacga geagggetet ggegeeegee eetgteegea
                                                                       60
ccgctggcag cctgaagaga gtcgctggcc gtggtcgccg ctaggtagga tatatctgca
                                                                      120
tettgaaagg aagataaaac aaaageette tttggaatag atggattttt gteaetttet
                                                                      180
gtgtgaacta aagtgattca atgtctcttt tggattgctt ctgcacttca agaacacaag
                                                                      240
ttgaatcact cagacctgaa aaacagtctg aaaccagtat ccatcaatac ttggttgatg
                                                                      300
agccaaccct ttcctggtca cgtccatcca ctagagccag tgaagtacta tgttccacca
                                                                      360
acgtttctca ctatgagctc caagtagaaa taggaagagg atttgacaac ttgacttctg
                                                                      420
tccatcttgc acggcatact cccacgggaa cactggtaac tataaaaatt acaaatctgg
                                                                      480
```

```
aaaactgcaa tgaagaacgc ctgaaagctt tacagaaagc cgtgattcta tcccactttt
                                                                      540
teeggeatee caatattaca aettattgga cagtttteae tgttggeage tggetttggg
                                                                      600
ttatttctcc atttatggcc tatggttcag caagtcaact cttgaggacc tattttcctg
                                                                      660
aaggaatgag tgaaacttta ataagaaaca ttctctttgg agccgtgaga gggttgaact
                                                                      720
atctgcacca aaatggctgt attcacagga gtattaaagc cagccatatc ctcatttctg
                                                                      780
gtgatggcct agtgaccctc tctggcctgt cccatctgca tagtttggtt aagcatggac
                                                                      840
agaggcatag ggctgtgtat gatttcccac agttcagcac atcagtgcag ccgtggctga
                                                                      900
gtccagaact actgagacag gatttacatg ggtataatgt gaagtcagat atttacagtg
                                                                      960
ttgggattac agcatgtgaa ttagccagtg ggcaggtgcc tttccaggac atgcatagaa
                                                                     1020
ctcagatgct gttacagaaa ctgaaaggtc ctccttatag cccattggat atcagtattt
                                                                     1080
teceteaate agaateeaga atgaaaaatt eecagteagg tgtagaetet gggattggag
                                                                     1140
aaagtgtgct tgtctccagt ggaactcaca cagtaaatag tgaccgatta cacacaccat
                                                                     1200
cctcaaaaac tttctctcct gccttcttta gcttggtaca gctctgtttg caacaagatc
                                                                     1260
ctgagaaaag gccatcagca agcagtttat tgtcccatgt tttcttcaaa cagatgaaag
                                                                     1320
aagaaagcca ggattcaata ctttcactgt tgcctcctgc ttataacaag ccatcaatat
                                                                     1380
cattgcctcc agtgttacct tggactgagc cagaatgtga ttttcctgat gaaaaaqact
                                                                     1440
catactggga attctagggc tgccaaatca ttttatgtcc tatatacttg acactttctc
                                                                     1500
cttgctgctt tttcttctgt atttctaggt acaaatacca gaattatact tgaaaataca
                                                                     1560
gttggtgcac tggagaatct attatttaaa accactctgt tcaaaggggc accagtttgt
                                                                     1620
agtocototg titogcacag agtactatga caaggaaaca toagaattac taatotagot
                                                                     1680
agtgtcattt attetggaat ttttttetaa getgtgaeta aetettttta teteteaata
                                                                     1740
taatttttga gccagttaat ttttttcagt attttgctgt cccttgggaa tgggcctca
                                                                     1800
gaggacagtg cttccaagta catcttctcc cagattctct ggccttttta atgagctatt
                                                                     1860
gttaaaccaa caggctagtt tatcttacat cagaccettt tetggtagag ggaaaatgtt
                                                                     1920
tgtgctttcc ctttttcttc tgttaatact tatgggtaac acctaactga gcctcactca
                                                                     1980
cattaaatga ttcacttgaa atatatacag gaaattgtaa tttggctttt ttttaaaaaa
                                                                     2040
ggggggggc taaagtaacc ctttcctact tatgtaaatt atagatccta aattgcacgc
                                                                     2100
accccgtggg agctcaataa agatttactg aattgaaaaa aaaaa
                                                                     2145
```

```
<210> 7112
<211> 1716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (212)...(1589)
<223> similar to gi30297 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7112
aaagggagtg agggaggaga gatgagtggc tattccagaa cgacataaag aatttccagc
                                                                       60
cttggacgga cagctgggaa cgtcttccaa tttggactgg tgtttacaag cgggaagcta
                                                                      120
ggtggacctt ggattttggc gggtgaagag gctaggttgt ttaaggaggt ggggcgcgtt
                                                                      180
tcaatggctc tctttgaaaa agcccagcaa gatgtcagac ctgctctcag tcttcctcca
                                                                      240
cctcctcctt ctcttcaagt tggttgcccc ggtgaccttt cgccaccacc gctatgatga
                                                                      300
tettgtgegg acgetgtaca aggtgeaaaa egaatgeece ggeateaege gggtetaeag
                                                                      360
cattgggcgc agcgtggagg ggagacacct ctacgtgctg gagttcagcg accaccctgg
                                                                      420
aatccacgag cccttggaac cagaggtcaa gtatgtgggg aacatgcacg gcaacgaagc
                                                                      480
gttgggccgc gagctgatgc tgcagctgtc ggagtttctg tgcgaggagt tccggaacag
                                                                      540
```

```
qaaccaqcqc atcgtccagc tcatccagga cacgcgcatt cacatcctgc catccatgaa
                                                                      600
ccccgacggc tacgaggtgg ctgctgccca gggcccaaac aagcctgggt atctagttgg
                                                                      660
caggaacaat gcaaatggag tggacctgaa ccgcaacttc cctgatctca atacctatat
                                                                      720
                                                                      780
ctactataac gagaagtacg gaggccccaa ccaccacctg ccccttccag acaactggaa
aagtcaggtg gaacccgaga cccgggcggt gatccggtgg atgcactcct tcaactttgt
                                                                      840
                                                                      900
tettteagee aateteeaeg gagggeggt ggtggeeaat taccegtatg acaagteett
tgagcaccgg gtccgagggg tccgccgcac cgccagcacc cccacgcctg acgacaagct
                                                                      960
cttccagaag ctggccaagg tctactccta tgcacatgga tggatgttcc aaggttggaa
                                                                     1020
                                                                     1080
ctgcggagat tacttcccag atggcatcac caatggggct tcctggtatt ctctcagcaa
                                                                     1140
gggaatgcaa gactttaatt atctccatac caactgcttt gagatcacgc tggaactgag
ttgcgacaag tttcccccg aagaggagtt acagcgggag tggctgggta atcgggaagc
                                                                     1200
                                                                     1260
cctaatccag ttcctggaac aggttcacca gggcatcaag ggaatggtgc ttgatgagaa
ttacaataat ctcgccaatg ctgtcatttc tgtcagtggg attaaccatg atgtcacttc
                                                                     1320
aggtgaccat ggtgattact tccggctgct gcttccaggt atctacactg ttagtgccac
                                                                     1380
agcacctggg tatgacccag agacagtaac tgtgaccgtg ggtcctgcgg aaccaacgtt
                                                                     1440
ggttaacttc cacctcaaaa gaagcatccc tcaagtaagc cctgtgagga gagctcccag
                                                                     1500
cagaaggcac ggagtcagag ccaaagtgca gccccaaccc agaaagaaag aaatggagat
                                                                     1560
gaggcagetg cagagaggee etgeetgaaa cecacagtge caggcaceee etcagaaagg
                                                                     1620
ctttgctcct gctctcagat cagatcaagc attctttgta ttttattatc tgggacatat
                                                                     1680
ttaaatacaa acgtattcag agcaataaaa aaaaaa
                                                                     1716
```

```
<210> 7113
<211> 2029
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (232)...(1517)
<223> similar to gi904281 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7113 gggcgggaca actggtctga gtactatggc tgattttcgc tgtctggcat tgagaagcca 60 cacgcccctt ttgcttagga ggcctctctg ctggaggatg acgatggcat ggtttatcta 120 aggecactga caagteatea atataggaca geacagetga gagecatget caggaagttt 180 ctggatccta ggctcagctc cacagaggag aacacgcagg cagcagagac catggggccc 240 ctctcagccc ctccctgcac acagcgcatc acctggaagg gggtcctgct cacagcatca 300 cttttaaact tctggaaccc gcctaccact gcccaagtca cgattgaagc cgagccaacc 360 aaagtttcca aggggaagga cgttcttcta cttgtccaca atttgcccca gaatcttgct 420 480 gtagatggtc aaataattat atatgggcct gcatacagtg gacgagaaac agtatattcc 540 aatgcatccc tgctgatcca gaatgtcacc cgggaggacg caggatccta caccttacac 600 atcgtaaagc gaggtgatgg gactagagga gaaactggac atttcacctt caccttatac 660 ctggagactc ccaagccctc catctccagc agcaacttat accccaggga ggacatggag 720 gctgtgagct taacctgtga tcctgagact ccggacgcaa gctacctgtg gtggatgaat 780 ggtcagagcc tccctatgac tcacagcttg cagttgtcca aaaacaaaag gaccctcttt 840 ctatttggtg tcacaaagta cactgcagga ccctatgaat gtgaaatacg gaacccagtg 900 agtgccagcc gcagtgaccc agtcaccctg aatctcctcc cgaagctgcc caagccctac 960 atcaccatca acaacttaaa ccccagggag aataaggatg tcttagcctt cacctgtgaa 1020

```
cctaagagtg agaactacac ctacatttgg tggctaaatg gtcagagcct cccggtcagt
                                                                     1080
cccagggtaa agcgacccat tgaaaacagg atcctcattc tacccagtgt cacgagaaat
                                                                     1140
gaaacaggac cctatcaatg tgaaatacag gaccgatatg gtggcatccg cagttaccca
                                                                     1200
                                                                     1260
gtcaccctga atgtcctcta tggtccagac ctccccagaa tttacccttc attcacctat
taccattcaq qaqaaaacct ctacttqtcc tqcttcqcqq actctaaccc accaqcaqaa
                                                                     1320
tattcttgga caattaatgg gaagtttcag ctatcaggac aaaagctctt tatcccccag
                                                                     1380
attactacaa agcatagegg getetatget tgetetgtte gtaacteage caetggeatg
                                                                     1440
gaaageteca aatecatgae agteaaagte tetgeteett caggaacagg acatetteet
                                                                     1500
ggccttaatc cattatagca gccgtgatgt catttctgta tttcaggaag actggcagac
                                                                     1560
agttgctttc attcttcctc aaagtattta ccatcagcta cagtccaaaa ttgctttttg
                                                                     1620
ttcaaggaga tttatgaaaa gactctgaca aggactcttg aatacaagtt cctgataact
                                                                     1680
tcaagatcat accactggac taagaacttt caaaatttta atgaacaggc tgataccttc
                                                                     1740
atggaaattc aaggacaaag gaaaaaaacc ccaattttat tgggacttaa atagtccaaa
                                                                     1800
ccatggtttt tcataatttt cctatttgga aaatgtggct ggattctttg gaatgtttta
                                                                     1860
ttctcccgga tttatggcac ttttttttct tcagcaattg gtaaagtata cttttgtaaa
                                                                     1920
caaaaattga aacatttgct tttgctccct aagtgcccca gaattgggaa actattcagg
                                                                     1980
agtattcata tgtttatggt aataaagtta tctgcacaag ttcaaaaaa
                                                                     2029
```

```
<210> 7114
<211> 1601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1254)...(919)
<223> similar to gi3212110 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7114
ttttttttt ttagggatgc attttgaata tttattgtcc ttgtttttaa cataatttgc
                                                                       60
aaatttacat aattataatg gctgtgtttg acaactggct tgcaacaaaa ttcttgaaaa
                                                                      120
ttgaataatt ggcccacctg ggctgggatg agccagctgg atcacaccgt tgccccctca
                                                                      180
gcctctagga ggcctcagga ttatggcgtc catcttatga tattggccga aaggagacag
                                                                      240
tcttggaggt gctgcttact gttgaacttc cttttggaat gtatgggaga aggcagggaa
                                                                      300
aggaatettt aggeagactg ccatecaggg actgetatte tgttcaetga gattcagetg
                                                                      360
tgaacatetg ttetttette etettetgte taetgeatge aggeeeggaa getgagegtt
                                                                      420
agtcaaaggt acaggaaggg aaaagagaag agggcaaggc ccatccccca agaaaggaag
                                                                      480
ggctctgatg cagagggagc aggagctgag gtggagacgg ccactgcctc tctcaccctc
                                                                      540
tgttccatcc ctctgctcaa gaaaaccagg cttagcagag tgggacagac gctttttatt
                                                                      600
ggtctggctg gcgtgcctag tggaaagctc aggcagagct tcctatcttg ccctggctcc
                                                                      660
catcttccct ctcctgggag ttcatcacac atcccgagag ggaagagtgt cctgggcaga
                                                                      720
ggtggcaggc aaagccgggt aaaactcca gggctgggaa gcaaatgggg ctcagggtga
                                                                      780
tgcagaaaat gtgatgttgc caggccatcc aaataaagca tccatcgggg cagaggagaa
                                                                      840
getgtttece tgeagacaet cetetgeece caccaggaat gggaggggea ggaggaagag
                                                                      900
etteccagag aggeteceta etgggeeett egtgeeatea geateteeeg gatgttgtee
                                                                      960
tcagcttcct taacgcttcg ctccaggtag gactttttct gttctagttc tttaattttt
                                                                     1020
tettetgeta ttttetgett etetaacage tgaetgtgaa ttgetteett ggaetgaaga
                                                                     1080
ataaacattc ttcctacacc ttcatacatg ttagtctcat ctaccaaagt catgatctct
                                                                     1140
gtatetgtaa gatgtgcatg etttttegtt etgtttaget gttcaatetg tatgtetgeg
                                                                     1200
```

```
agetteacet tetgttgagt gteaataact ttggettgaa getetgtgaa ggetatgaaa 1260 gtgagteet gaageteea aaegeaaega aatgtetetg gageteagaa agaetggaca 1320 ageeeggage aggeeegga acttaeeega eecageeaa eeggeteeta eecageaaga 1380 geegetegee eecaceeeg tttatggaga eecagtgagg eettaggaet etgggaaaee 1440 atteeetagt eeceteagee teeaaaaaga agaeeteege etgeeaaaga eeetettta 1500 tgtetatagt eeceteagee teeaaaaaga agaeeteege etgeeaaaga eeetettta 1560 eettetteag etetagatee aegggggegg eeaetegtge e
```

```
<210> 7115
<211> 3221
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (87)...(2771)
<223> similar to gi414669 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7115 acteceteae tggetgeeat tgaaagagte cactteteag tgaeteetaa etgggeaetg 60 gatgcagttg aggattgctg gtcaatatga ttcttcttgc tgtgcttttt ctctgcttca 120 tttcctcata ttcagcttct gttaaaggtc acacaactgg tctctcatta aataatgacc 180 ggctgtacaa gctcacgtac tccactgaag ttcttcttga tcggggcaaa ggaaaactgc 240 aagacagcgt gggctaccgc atttcctcca acgtggatgt ggccttacta tggaggaatc 300 ctgatggtga tgatgaccag ttgatccaaa taacgatgaa ggatgtaaat gttgaaaatg 360 tgaatcagca gagaggagag aagagcatct tcaaaggaaa aagcccatct aaaataatgg 420 gaaaggaaaa cttggaagct ctgcaaagac ctacgctcct tcatctaatc catggaaagg 480 tcaaagagtt ctactcatat caaaatgagg cagtggccat agaaaatatc aagagaggtc 540 tggctagcct atttcagaca cagttaagct ctggaaccac caatgaggta gatatctctg 600 gaaattgtaa agtgacctac caggctcatc aagacaaagt gatcaaaatt aaggccttgg 660 attcatgcaa aatagcgagg tetggattta egaceecaaa teaggtettg ggtgteagtt 720 caaaagctac atctgtcacc acctataaga tagaagacag ctttgttata gctgtgcttg 780 ctgaagaaac acacaatttt ggactgaatt tcctacaaac cattaagggg aaaatagtat 840 cgaagcagaa attagagctg aagacaaccg aagcaggccc aagattgatg tctggaaagc 900 aggctgcagc cataatcaaa gcagttgatt caaagtacac ggccattccc attgtggggc 960 aggicticca gagccactgt aaaggatgtc cttctctctc ggagctctgg cggtccacca 1020 ggaaatacct gcagcctgac aacctttcca aggctgaggc tgtcagaaac ttcctggcct 1080 tcattcagca cctcaggact gcgaagaaag aagagatcct tcaaatacta aagatggaaa 1140 ataaggaagt attacctcag ctggtggatg ctgtcacctc tgctcagacc tcagactcat 1200 tagaagccat tttggacttt ttggatttca aaagtgacag cagcattatc ctccaggaga 1260 ggtttctcta tgcctgtgga tttgcttctc atcccaatga agaactcctg agagccctca 1320 ttagtaagtt caaaggttct attggtagca gtgacatcag agaaactgtt atgatcatca 1380 ctgggacact tgtcagaaag ttgtgtcaga atgaaggctg caaactcaaa gcagtagtgg 1440 aagctaagaa gttaatcctg ggaggacttg aaaaagcaga gaaaaaagag gacaccagga 1500 tgtatctgct ggctttgaag aatgccctgc ttccagaagg catcccaagt cttctgaagt 1560 atgcagaagc aggagaaggg cccatcagcc acctggctac cactgctctc cagagatatg 1620 atctcccttt cataactgat gaggtgaaga agaccttaaa cagaatatac caccaaaacc 1680 gtaaagttca tgaaaagact gtgcgcactg ctgcagctgc tatcatttta aataacaatc 1740 catcctacat ggacgtcaag aacatcctgc tgtctattgg ggagcttccc caagaaatga 1800

```
ataaatacat gctcgccatt gttcaagaca tcctacgttt tgaaatgcct gcaagcaaaa
                                                                     1860
ttgtccgtcg agttctgaag gaaatggtcg ctcacaatta tgaccgtttc tccaggagtg
                                                                     1920
gatettette tgeetaeact ggetaeatag aacgtagtee eegtteggea tetaettaea
                                                                     1980
gcctagacat tetetacteg ggttetggca ttetaaggag aagtaacetg aacatettte
                                                                     2040
agtacattgg gaaggetggt etteaeggta geeaggtggt tattgaagee caaggaetgg
                                                                     2100
aagcettaat egeageeace eetgaegagg gggaggagaa eettgaetee tatgetggta
                                                                     2160
tgtcagccat cctctttgat gttcagctca gacctgtcac ctttttcaac ggatacagtg
                                                                     2220
atttgatgtc caaaatgctg tcagcatctg gcgaccctat cagtgtggtg aaaggactta
                                                                     2280
ttctgctaat agatcattct caggaacttc agttacaatc tggactaaaa gccaatatag
                                                                     2340
aggtccaggg tggtctagct attgatattt caggtgcaat ggagtttagc ttgtggtatc
                                                                     2400
gtgagtctaa aacccgagtg aaaaataggg tgactgtggt aataaccact gacatcacag
                                                                     2460
tggactcctc ttttgtgaaa gctggcctgg aaaccagtac agaaacagaa gcaggcttgg
                                                                     2520
agtttatete cacagtgeag tttteteagt acceattett agtttgeatg cagatggaca
                                                                     2580
aggatgaagc tccattcagg caatttgaga aaaagtacga aaggctgtcc acaggcagag
                                                                     2640
gttatgtctc tcagaaaaga aaagaaagcg tattagcagg atgtgaattc ccgctccatc
                                                                     2700
aagagaactc agagatgtgc aaagtggtgt ttgcccctca gccggatagt acttccagcg
                                                                     2760
gatggttttg aaactgacct gtgatatttt acttgaattt gtctccccga aagggacaca
                                                                     2820
atgtggcatg actaagtact tgctctctga gagcacagcg tttacatatt tacctgtatt
                                                                     2880
taagattttt gtaaaaagct acaaaaact gcagtttgat caaatttggg tatatgcagt
                                                                     2940
atgctaccca cagcgtcatt ttgaatcatc atgtgacgct ttcaacaacg ttcttagttt
                                                                     3000
acttatacet eteteaaate teatttggta eagteagaat aagttattet etaagaggaa
                                                                     3060
actaagtgtt tgttaaaatc aaaaataaaa acaaaaccac acaaggagaa cccgaatttt
                                                                    3120
gtttcaacaa tttttgatcc aatgtatatg aagctcttga taggacttcc ttaagcatga
                                                                    3180
cgggaaaacc aaacacgttc ccctaatcag gaaaaaaaa a
                                                                     3221
```

```
<210> 7116
<211> 1902
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (103)...(1000)
<223> similar to gi5326797 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7116
gttccacctg geggetgget etcagteece tegetgtagt egeggagetg tgtetgttee
                                                                       60
caggagteet teggeggetg ttgtgteagt ggeetgateg egatggggae aaaggegeaa
                                                                      120
gtcgagagga aactgttgtg cctcttcata ttggcgatcc tgttgtgctc cctggcattg
                                                                      180
ggcagtgtta cagtgcactc ttctgaacct gaagtcagaa ttcctgagaa taatcctgtg
                                                                      240
aagttgtcct gtgcctactc gggcttttct tctccccgtg tggagtggaa gtttgaccaa
                                                                      300
ggagacacca ccagactcgt ttgctataat aacaagatca cagcttccta tgaggaccgg
                                                                      360
gtgacettet tgecaactgg tateacette aagteegtga caegggaaga caetgggaca
                                                                      420
tacacttgta tggtctctga ggaaggcggc aacagctatg gggaggtcaa ggtcaagctc
                                                                      480
atogtgottg tgcctccatc caagcctaca gttaacatcc cctcctctgc caccattggg
                                                                      540
aaccgggcag tgctgacatg ctcagaacaa gatggttccc caccttctga atacacctgg
                                                                      600
ttcaaagatg ggatagtgat gcctacgaat cccaaaagca cccgtgcctt cagcaactct
                                                                      660
tectatgtee tgaateceae aacaggagag etggtetttg ateceetgte ageetetgat
                                                                      720
actggagaat acagctgtga ggcacggaat gggtatggga cacccatgac ttcaaatgct
                                                                      780
```

```
gtgcgcatgg aagctgtgga gcggaatgtg ggggtcatcg tggcagccgt ccttgtaacc
                                                                      840
                                                                      900
ctgattctcc tgggaatctt ggtttttggc atctggtttg cctataqccg aggccacttt
gacaqaacaa agaaagggac ttcgaqtaaq aaggtqattt acaqccaqcc taqtqccqa
                                                                      960
agtgaaggag aattcaaaca gacctegtca tteetggtgt gagcetggte ggetcaeege
                                                                     1020
ctatcatctg catttgcctt actcaggtgc taccggactc tggcccctga tgtctgtagt
                                                                     1080
ttcacaggat gccttatttg tcttctacac cccacagggc cccctacttc ttcggatqtq
                                                                     1140
tttttaataa tgtcagctat gtgccccatc ctccttcatg ccctccctcc ctttcctacc
                                                                     1200
actgctgagt ggcctggaac ttgtttaaag tgtttattcc ccatttcttt gagggatcag
                                                                     1260
gaaggaatcc tgggtatgcc attgacttcc cttctaagta gacagcaaaa atggcggggg
tegeaggaat etgeaeteaa etgeeeacet ggetggeagg gatetttgaa taggtatett
                                                                     1380
gagcttggtt ctgggctctt tccttgtgta ctgacgacca gggccagctg ttctagagcg
                                                                     1440
ggaattagag gctagagegg ctgaaatggt tgtttggtga tgacactggg gtccttccat
                                                                     1500
ctctggggcc cactctcttc tgtcttccca tgggaagtgc cactgggatc cctctgccct
                                                                     1560
gtcctcctga atacaagctg actgacattg actgtgtctg tggaaaatgg gagctcttgt
                                                                     1620
tgtggagagc atagtaaatt ttcagagaac ttgaagccaa aaqqatttaa aaccqctqct
                                                                     1680
ctaaagaaaa gaaaactgga ggctgggcgc agtggctcac gcctataatc ccagaggctg
                                                                     1740
aggcaggcgg atcacctgag gtcaggagtt caagatcagc ctgaccaaca tggagaaacc
                                                                     1800
ctactaaaaa tacaaagtta gccaggcatg gtggtgcatg cctgtaatcc caqctqctca
                                                                     1860
ggagcctggc aacaagagca aaactccagc tcaaaaaaaa aa
                                                                     1902
```

```
<210> 7117
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (40)...(314)

<223> similar to gi4803699 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7117
ggcacgagct aacttcagga accagctcat gatctcagga tgtatggaaa aataatcttt
                                                                       60
gtattactat tgtcagaaat tgtgagcata tcagcattaa gtaccactga ggtggcaatg
                                                                      120
cacacttcaa cctcttcttc agtcacaaag agttacatct catcacagac aaatggagaa
                                                                      180
acgggacaac ttgtccatcg tttcactgta ccagctcctg tagtgataat actcattatt
                                                                      240
ttgtgtgtga tggctggtat tattggaacg atcctcttaa tttcttacag tattcgccga
                                                                      300
ctgataaagg catgaggatg tggcctgcat gctgcctgat cttgcctgca tgctgcctga
                                                                      360
tettgeetag aaceggetge acetgetgtt etettgttta tgeaaactgg etgeacetge
                                                                      420
tatteetttg ettatgeece tacceetgge tatcetaatt ecetgttete etgeeteact
                                                                      480
attactgtat tctctacttc taaataaaaa taaaacaaaa tacaaaccgt taaaaaaaaa
                                                                      540
                                                                      541
```

```
<210> 7118
<211> 2162
<212> DNA
```

<213> Homo sapiens <220> <221> misc_feature <222> (286)...(1854) <223> similar to gi4886423 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 7118
geegaceeeg agaggeeegg atcetttagg eegeetgeee geeteeaget eteggggaeg
                                                                     60
getecaggag gegeeeteag gagaggggeg ggegetetat tecagagace gagtggeagg
                                                                    120
geggeeactg tggegggget ettteeeegt ttegeeteag etaeceetea geteeggtag
                                                                    180
tegecagtee ggggtegteg eegtttgggg egggagetge teggeceege egecgteece
                                                                    240
gtegeegett cegggteeag geeeeteggg cegeetgeeg eegteatgag getgeggqtq
                                                                    300
cggcttctga agcggacctg gccgctggag gtgcccgaga cggaqccqac qctqqqqcat
                                                                    360
ttgcgctcgc acctgaggca gtccctgctg tgcacctggg ggtacagttc taatacccga
                                                                    420
tttacaatta cattgaacta caaggatccc ctcactggag atgaagagac cttggcttca
                                                                    480
tatgggattg tttctgggga cttgatatgt ttgattcttc aagatgacat tccagcqcct
                                                                    540
aatatacett catecacaga tteagageat tetteactee agaataatga geaaceetet
                                                                    600
ttggccacca gctccaatca gactagcata caggatgaac aaccaagtga ttcattccaa
                                                                    660
ggacaggcag cccagtctgg tgtttggaat gacgacagta tgttagggcc tagtcaaaat
                                                                    720
tttgaagetg agtcaattca agataatgeg catatggeag agggeaeagg tttetateee
                                                                    780
teagaaccca tgetetgtag tgaateggtg gaagggcaag tgecacatte attagagace
                                                                    840
ttgtatcaat cagctgactg ttctgatgcc aatgatgcct tgatagtgtt gatacatctt
                                                                    900
ctcatgttgg agtcaggtta catacctcag ggcaccgaag ccaaagcact gtccatqccq
                                                                    960
gagaagtgga agttgagcgg ggtgtataag ctgcagtaca tgcatcctct ctgcqaqqqc
                                                                   1020
ageteegeta eteteacetg tgtgeetttg ggaaacetga ttgttgtaaa tgetacacta
                                                                   1080
aaaatcaaca atgagattag aagtgtgaaa agattgcagc tgctaccaga atcttttatt
                                                                   1140
tgcaaagaga aactagggga aaatgtagcc aacatataca aagatcttca gaaactctct
                                                                   1200
cgcctcttta aagaccagct ggtgtatcct cttttggctt ttacccgaca agcactgaac
                                                                   1260
ctaccagatg tatttgggtt ggtcgtcctc ccattggaac tgaaactacg gatcttccga
                                                                   1320
ettetggatg ttegtteegt ettgtetttg tetgeggttt gtegtgaeet etttaetget
                                                                   1380
tcaaatgacc cactcctgtg gaggttttta tatctgcgtg attttcgaga caatactgtc
                                                                   1440
1500
tccccgaaag ggcggtttgt gatgctcctg ccatcgtcaa ctcacaccat tccattctat
                                                                   1560
cccaacccct tgcaccctag gccatttcct agctcccgcc ttcctccagg aattatcgqq
                                                                   1620
ggtgaatatg accaaagacc aacacttccc tatgttggag acccaatcag ttcactcatt
                                                                   1680
cctggtcctg gggagacgcc cagccagttt cctccactga gaccacgctt tgatccagtt
                                                                   1740
ggcccacttc caggacctaa ccccatcttg ccagggcgag gcggccccaa tgacagattt
                                                                   1800
ccctttagac ccagcagggg tcggccaact gatggccggc tgtcattcat gtgattgatt
                                                                   1860
tgtaatttca tttctggagc tccatttgtt tttgtttcta aactacaqat qtcaactcct
                                                                   1920
tggggtgctg atctcgagtg ttattttctg attgtggtgt tgagagttgc actcccaqaa
                                                                   1980
accttttaag agatacattt atagccctag gggtggtatg acccaaaggt tcctctgtga
                                                                   2040
caaggttggc cttgggaata gttggctgcc aatctccctg ctcttggttc tcctctagat
                                                                   2100
tgaagtttgt tttctgatgc tgttcttacc agattaaaaa aaagtgtaaa ttaaaaaaaa
                                                                   2160
                                                                   2162
```

```
<210> 7119
```

<211> 918

<212> DNA

```
<220>
     <221> misc feature
     <222> (194)...(446)
     <223> similar to gi5834538 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7119
60
ctggcaaagc cgagccgcag cattttattt cgttcgtggt ttccgcacag gctggagttt
                                                                    120
egtgggttgg gtcgtacttg ggacctcggc gaagaggacc cgtttatttt tttttctttc
                                                                    180
caaaatggca gcctccagtc gcgcacaagt gttagctctg taccgggcga tgctgagaga
                                                                    240
gagcaagcgt ttcagcgcct acaattacag aacatatgct gtcaggagga taagagatgc
                                                                    300
cttcagagaa aataaaaatg taaaggatcc tgtagaaatt caaaccctag tgaataaagc
                                                                    360
caagagagac cttggagtaa ttcgtcgaca ggtccacatt ggccaactgt attcaactga
                                                                    420
caagctgatc attgagaatc gagacatgcc caggacctag caagccgggg accagccacc
                                                                    480
agtggcggcc agggaccacc ttcagcatcc actctctgtt tgagatgggg gctcccaaaa
                                                                    540
ccagettaca atageetttt gegetgeetg teetgtggga getgataaac caagteacat
                                                                    600
ttgcattctg ttgcaggctt agtgaaaaag gactgctgtc tttccttggt tcaagtgtta
                                                                    660
gaatggagag ctggagttcg ttcagaatag tgctgtgtt taccacgtct cccctgcacc
                                                                    720
ccattectae ettgtagete atgaceattg tgtatageat ttetaeactt tgtttettgg
                                                                    780
tccttggcaa taaaaagaat gatctccctg agcctttgac cccagataaa cccctcccaa
                                                                    840
ttaatgcatt ttcatttcct actgatacaa ggcctggaga gggctgttgg gggccctcag
                                                                    900
ggagggttca actctgag
                                                                    918
     <210> 7120
     <211> 2592
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (41)...(1424)
     <223> similar to gi5824432 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7120
tttcgtcgca ggcgggcctc gcgggtccgg gagcgcggcg gagacgatgc ctgagatcag
                                                                     60
agtcacgccc ttgggggccg gccaggacgt gggccgaagc tgcatcctgg tctccattgc
                                                                    120
gggcaagaat gtcatgctgg actgtggaat gcacatgggc ttcaatgacg accgacgctt
                                                                    180
ecetgaette tectacatea eccagaaegg eegeetaaea gaetteetgg aetgtgtgat
                                                                    240
cattagecae ttecaectgg accaetgegg ggeaeteece taetteageg agatggtggg
                                                                    300
ctacgacggc cccatctaca tgactcaccc cacccaggcc atctgcccca tcttgctgga
                                                                    360
ggactaccgc aagatcgccg tagacaagaa gggcgaggcc aacttcttca cctcccagat
                                                                    420
gatcaaagac tgcatgaaga aggtggtggc tgtccacctc caccagacgg tccaggtaga
                                                                    480
tgatgagctg gagatcaagg cctactatgc aggccacgtg ctgggggcag ccatgttcca
                                                                    540
```

<213> Homo sapiens

```
gattaaagtg ggctcagagt ctgtggtcta cacgggtgat tataacatga ccccagaccg
                                                                      600
                                                                      660
acacttagga gctgcctgga ttgacaagtg ccgccccaac ctgctcatca cagagtccac
gtacgccacg accatccgtg actccaagcg ctgccgggag cgagacttcc tgaagaaagt
                                                                      720
ccacgagacc gtggagcgtg gtgggaaggt gctgatacct gtgttcgcgc tgggccgcgc
                                                                      780
ccaggagete tgcatectee tggagacett etgggagege atgaacetga aggtgeceat
                                                                      840
                                                                      900
ctacttetee aeggggetga eegagaagge caaccactae tacaagetgt teateceetg
                                                                      960
gaccaaccag aagatccgca agactttcgt gcagaggaac atgtttgagt tcaagcacat
caaggcette gacegggett ttgetgacaa eecaggaceg atggttgtgt ttgecaegee
                                                                     1020
aggaatgetg cacgetggge agteeetgea gatetteegg aaatgggeeg gaaacgaaaa
                                                                     1080
gaacatggtc atcatgcccg gctactgcgt gcagggcacc gtcggccaca agatcctcag
                                                                     1140
cgggcagcgg aagctcgaga tggaggggcg gcaggtgctg gaggtcaaga tgcaggtgga
                                                                     1200
gtacatgtca ttcagcgcac acgcggacgc caagggcatc atgcagctgg tgggccaggc
                                                                     1260
agageeggag agegtgetge tggtgeatgg egaggeeaag aagatggagt teetgaagea
                                                                     1320
gaagatcgag caggagctcc gggtcaactg ctacatgccg gccaatggcg agacggtgac
                                                                     1380
getgeecaca ageeccagea teecegtagg catetegetg gggetgetga agegggagat
                                                                     1440
ggcgcagggg ctgctccctg aggccaagaa gcctcggctc ctgcacggca ccctgatcat
                                                                     1500
gaaggacagc aacttccggc tggtgtcctc agagcaagcc ctcaaagagc tgggtctggc
                                                                     1560
tgagcaccag ctgcgcttca cctgccgcgt gcacctgcat gacacacgca aggagcagga
                                                                     1620
gacggcattg cgcgtctaca gccacctcaa gagcgtcctg aaggaccact gtgtgcagca
                                                                     1680
cctcccagac ggctctgtga ctgtggagtc cgtcctcctc caggccgccg ccccttctga
                                                                     1740
ggacccaggc accaaggtgc tgctggtctc ctggacctac caggacgagg agctggggag
                                                                     1800
ettecteaca tetetgetga agaagggeet eeccaggee eecagetgag geeggeaact
                                                                     1860
cacccagccg ccacctctgc cctctcccag ctggacagac cctgggcctg cacttcagga
                                                                     1920
ctgtgggtgc cctgggtgaa cagaccctgc aggtcccatc cctggggaca gaggccttgt
                                                                     1980
gtcacctgcc tgcccaggca gctgtttgca gctgaagaaa caaactggtc tccaggctgt
                                                                     2040
cttgccttta ttcctggtta gggcaggtgg tcctagacag cagtttccag taaaagctga
                                                                     2100
acaaaagact acttggtact ctcttcttgg tgtacatggc tgtgtcctgc actgtgcccc
                                                                     2160
atcccgcctg ggacagagac gggcatccag ggtgctggga cccgggcagg gaggctactg
                                                                     2220
tggagaccag gcagcagtgc tgtgggcccc aagcagctgt gactgccctg gcttgaccag
                                                                     2280
cacagggttg ggcctggtgt ggcctaactt tggcttgagt gtccagggtc atccgtggct
                                                                     2340
cccgaactgt ggcccctgca gggtgcagga ggcagcaccg aggttcccgt acagcactga
                                                                     2400
cttgaggaat aagccgtggg ctggggctac acgtgtctgg tgcttgccca ggggatcttg
                                                                     2460
gctctccaga atcgtcttca cctgggcagg tgccaaagcc cccagcccca cggccaccag
                                                                     2520
cacagoogto atoctoogta cotgetata caggaaagac tggototcaa actocaggtt
                                                                     2580
cagaaccgca gc
                                                                     2592
```

```
<210> 7121
<211> 596
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (65)...(394)
<223> similar to gi2826891 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7121
aatagattag cagaccacta ggccagagcc gaggaattcg gcgctgcggc agtccagatc 60
aaaaatggcg gtagttggtg tgtcctcggt ttctcggctg ctgggtcggt cccgccaca 120
```

```
getggggegg cetatgtega gtggcgccca tggcgaagag ggctcagctc gcatgtggaa
                                                                      180
gacteteace ttettegteg egeteeeegg ggtggeagte ageatgetga atgtgtacet
                                                                      240
gaagtegeac caeggagage acgagagace egagtteate geetaceece ateteegeat
                                                                      300
caggaccaag cogtttccct ggggagatgg taaccatact ctattccata accetcatgt
                                                                      360
gaatccactt ccaactggct acgaagatga ataaagagaa tctggaccac tacccgggca
                                                                      420
ccagggacca cagcactggt ttggaccgtt actctgcaca tggaccagaa aaagtatatg
                                                                      480
ggaccttaag ctcaccttct ttacttgtat caaatgatga ctggtatact ggtctcccat
                                                                      540
ccctttgctt gtggcaggag atggcttaaa taaataactt aaacttaaaa aaaaaa
                                                                      596
     <210> 7122
     <211> 346
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (75)...(334)
     <223> similar to gi30295 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7122
ggcacgaggg tgtctttgct gagggtcaca ttgagctgca ggttgaatcc ggggtgcctt
                                                                       60
taggattegg caccatgaeg gaagacatge ataccaetat caacaactae tggaeegeee
                                                                      120
cttatgacag ccgctttcga aaccagaacc agactaaaaa ctgttggcac aactacctgt
                                                                      180
acticcaccg cigicacaag gcgatgaacg gtaaacgagg cgatatcict gigtgcqaat
                                                                      240
ggtgccaccg tgctgaccag gccctttgtc acagatactg gctcacagac tgggatgatc
                                                                      300
aaccacctga aagcacgttt cccgagaaga actgaactgg ctggat
                                                                      346
     <210> 7123
     <211> 1393
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (33)...(1045)
     <223> similar to gi1877202 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 7123
ggagggggaa ttcccggctg cggtattcgc acgaggacga gttacagctg ccgcggctcc
                                                                       60
cegagetgtt egaaactggt agacagttac tggacgaagt agaagtggeg actgaacceg
                                                                      120
ccggttcccg gatagtccag gagaaggtgt tcaagggctt ggacctcctt gagaaggctg
                                                                      180
```

```
ccgaaatgtt atcgcagctc gacttgttca gccgaaatga agatttggaa gagattgctt
                                                                      240
                                                                      300
ccaccgacct gaagtacctt ttggtgccag cgtttcaagg agccctcacc atgaaacaag
tcaaccccag caagcgtcta gatcatttgc agcgggctcg agaacacttt ataaactact
                                                                      360
taactcagtg ccattgctat catgtggcag agtttgagct gcccaaaacc atgaacaact
                                                                      420
                                                                      480
ctgctgaaaa tcacactgcc aattcctcca tggcttatcc tagtctcgtt gctatggcat
ctcaaagaca ggctaaaata cagagataca agcagaagaa ggagttggag cataggttgt
                                                                      540
ctgcaatgaa atctgctgtg gaaagtggtc aagcggatga tgagcgtgtt cgtgaatatt
                                                                      600
atettettea cetteagagg tggattgata teagettaga agagattgag ageattgace
                                                                      660
aggaaataaa gatcctgaga gaaagagact cttcaagaga ggcatcaact tctaactcat
                                                                      720
ctegecagga gaggeeteca gtgaaaceet teatteteac teggaacatg geteaageea
                                                                      780
aagtatttgg agctggttat ccaagtctgc caactatgac ggtgagtgac tggtatgagc
                                                                      840
aacatcggaa atatggagca ttaccggatc agggaatagc caaggcagca ccagaggaat
                                                                      900
tcagaaaagc agctcagcaa caggaagaac aagaagaaaa ggaggaagag gatgatgaac
                                                                      960
aaacactcca cagagecegg gagtgggatg actggaagga cacccatect aggggetatg
                                                                     1020
ggaaccgaca gaacatgggc tgatcttccc acaacaccac aggactgcag ggtgcacaac
                                                                     1080
teccetgeca aggaaaacca tgeagteete eecteetgg teteetgett eagetetgta
                                                                     1140
caacgagggc aaagatgcta aatcttgctt tgcattcagt aaagtgtcaa gtgattaagt
                                                                     1200
gtgtatttgt accetagatg atatgaacca gcagtettgt tttggcatca tectcateat
                                                                     1260
gttgtattcc agcttcttaa gtggaaggaa aagagtgctg agaaatggct ctgtataatc
                                                                     1320
tatggctatc cgaattctct gaaaaaataa taaaagtccc ctctattata tgagcctgta
                                                                     1380
cagaaaaaaa aaa
                                                                     1393
```

```
<210> 7124
<211> 2312
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (180)...(1862)
<223> similar to gi4884130 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7124
acgctccgga atttctcggg tcgacgattt cgtcagggag catgattgat gccaacctga
                                                                       60
aattgctgca ggaagctgag caacgtctca aagccattgt ggcagagaag tttgccattg
                                                                      120
ccaccaagga aggtgatttg ccccaggtgg agcgcttctt caagatcttc ccactgctgg
                                                                      180
gtttgcatga ggagggatta agaaagttct cggagtacct ttgcaagcag gtggccagta
                                                                      240
aagctgagga gaatctgctc atggtgctgg ggacagacat gagtgatcgg agagctgcag
                                                                      300
tcatctttgc agatacactt actcttctgt ttgaagggat tgcccgcatt gtggagaccc
                                                                      360
accagccaat agtggagacc tattatgggc cagggagact ctataccctg atcaaatatc
                                                                      420
tgcaggtgga atgtgacaga caggtggaga aggtggtaga caagttcatc aagcaaaggg
                                                                      480
actaccacca gcagttccgg catgttcaga acaacctgat gagaaattct acaacagaaa
                                                                      540
aaatcgaacc aagagaactg gaccccatcc tgactgaggt caccctgatg aatgcccgca
                                                                      600
gtgagctata cttacgcttc ctcaagaaga ggattagctc tgattttgag gtgggagact
                                                                      660
ccatggcctc agaggaagta aagcaagagc accagaagtg tctggacaaa ctcctcaata
                                                                      720
actgcctttt gagctgtacc atgcaggagc taattggctt atatgttacc atggaggagt
                                                                      780
acttcatgag ggagactgtc aataaggctg tggctctgga cacctatgag aagggccagc
                                                                      840
tgacatccag catggtggat gatgtcttct acattgttaa gaagtgcatt gggcgggctc
                                                                      900
tgtccagctc cagcattgac tgtctctgtg ccatgatcaa cctcgccacc acagagctgg
                                                                      960
```

```
1020
agtotgactt cagggatgtt otgtgtaata agotgoggat gggotttoot gocaccacct
                                                                     1080
tccaggacat ccagcgcggg gtgacaagtg ccgtgaacat catgcacagc agcctccagc
                                                                     1140
aaggcaaatt tgacacaaaa ggcatcgaga gtactgacga ggcgaagatg tccttcctgg
                                                                     1200
tgactctgaa caacgtggaa gtctgcagtg aaaacatctc cactctgaag aagacactgg
                                                                     1260
agagtgactg caccaagctc ttcagccagg gcattggagg ggagcaggcc caggccaagt
                                                                     1320
ttgacagetg cetttetgae ttggeegeeg tgteeaacaa atteegagae etettgeagg
                                                                     1380
aagggctgac ggagctcaac agcacagcca tcaagccaca ggtgcagcct tggatcaaca
                                                                     1440
getttttete egteteecae aacategagg aggaagaatt caatgaetat gaggecaaeg
                                                                     1500
accettgggt acaacagtte atcettaace tggagcagca aatggcagag ttcaaggcca
                                                                     1560
gcctgtcccc ggtcatctac gacagcctaa ccggcctcat gactagcctt gttgccgtcg
agttggagaa agtggtgetg aaatccacct ttaaccggct gggtggtctg cagtttgaca
                                                                     1620
                                                                     1680
aggagetgag gteacteatt geetaeetta ceaeggtgae caeetggaee ateegagaea
                                                                     1740
agtttgcccg gctctcccag atggccacca tcctcaatct ggagcgggtg accgagatcc
                                                                     1800
tegattactg gggacceaat teeggeecat tgacgtggeg ceteacecet getgaagtge
                                                                     1860
gccaggtgct ggccctgcgg atagacttcc gcagtgaaga tatcaagagg ctgcgcctgt
                                                                     1920
agetgeetgg atgageaeae etggeteate acaettgeag geetgtteee taaggggeee
cagccaagga gctgagcgag gctgtcgggc ttgggggaga tctgacagcc cagacctttc
                                                                     1980
tacggctggc agcagagaaa caaagtctgg acccactcca tgctctgccc tcagacctgg
                                                                     2040
ccaggtgatg ctctgggggc agcatctccc caccgagaga agcgggctcc taatgaggtg
                                                                     2100
ggaaagccac ggcaggcagc gagcagccca ggccagcttt ctgcatggat ggtcagtctc
                                                                     2160
ttgccctcaa acactacagc aaacaagcta cccctgccag tcctagacaa cttgggtaca
                                                                     2220
totggggacc tagcagttag gcttgacttt gaggagaggc tgtgatgttt atgatecetg
                                                                     2280
                                                                     2312
aataaagcta ctccttggag agaaaaaaa aa
```

```
<210> 7125
<211> 1464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (288)...(1347)
<223> similar to gi24479 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7125
actagttcta gatcgcgagc ggccgctcgc gatctataat gcctcttctg aagcagccat
                                                                       60
eceggeetet tggtactget gaccecagee aggetacagg gategattgg agetgteett
                                                                      120
ggggctgtaa ttggccccag ctgagcaggg caaacactga ggtcaactac aagccacagg
                                                                      180
ccccttcccc agcctcagtt cacagctgcc ctgttgcagg gaggcggtgg cccttctgtt
                                                                      240
gctagaccga gcctgtggga tataccaagg cagaggagcc catagccatg aggagcctcg
                                                                      300
gggccctgct cttgctgctg agcgcctgcc tggcggtgag cgctggccct gtgccaacgc
                                                                      360
cgcccgacaa catccaagtg caggaaaact tcaatatctc tcggatctat gggaagtggt
                                                                      420
                                                                      480
acaacctggc catcggttcc acctgcccct ggctgaagaa gatcatggac aggatgacag
                                                                      540
tgagcacgct ggtgctggga gagggcgcta cagaggcgga gatcagcatg accagcactc
                                                                      600
gttggcggaa aggtgtctgt gaggagacgt ctggagctta tgagaaaaca gatactgatg
ggaagtttct ctatcacaaa tccaaatgga acataaccat ggagtcctat gtggtccaca
                                                                      660
ccaactatga tgagtatgcc attttcctga ccaagaaatt cagccgccat catggaccca
                                                                      720
                                                                      780
ccattactgc caagetetac gggcgggcgc cgcagetgag ggaaactete etgcaggaet
tcagagtggt tgcccagggt gtgggcatcc ctgaggactc catcttcacc atggctgacc
                                                                      840
```

```
900
gaggtgaatg tgtccctggg gagcaggaac cagagcccat cttaatcccg agagtccgga
                                                                      960
gggctgtgct accccaagaa gaggaaggat cagggggtgg gcaactggta actgaagtca
                                                                     1020
ccaagaaaga agattcctgc cagctgggct actcggccgg tccctgcatg ggaatgacca
gcaggtattt ctataatggt acatccatgg cctgtgagac tttccagtac ggcggctgca
                                                                     1080
tgggcaacgg taacaacttc gtcacagaaa aggagtgtct gcagacctgc cgaactgtgg
                                                                     1140
eggeetgeaa teteceeata gteeggggee cetgeegage etteateeag etetgggeat
                                                                     1200
ttgatgctgt caaggggaag tgcgtcctct tcccctacgg gggctgccag ggcaacggga
                                                                     1260
acaagtteta eteagagaag gagtgeagag agtaetgegg tgteeetggt gatggtgatg
                                                                     1320
aggagetget gegettetee aactgacaac tggeeggtet geaagteaga ggatggeeag
                                                                     1380
tgtctgtccc ggggtcctgt ggcaggcagc gccaagcaac ctgggtccaa ataaaaacta
                                                                     1440
aattgtaaac tcctaaaaaa aaaa
                                                                     1464
```

```
<210> 7126
<211> 3678
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (108)...(1179)
<223> similar to gi214745 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7126 cgtattgaac tcgggttgga agaggcgagt ccggtctcaa aatggaggta aaaccgccgc 60 eeggtegeee eeageeegae teeggeegte geegtegeeg eeggggggag gagggeeatg 120 atccaaagga accagagcag ttgagaaaac tgtttattgg tggtctgagc tttgaaacta 180 cagatgatag tttacgagaa cattttgaga aatggggcac actcacagat tgtgtggtaa 240 tgagagaccc ccaaacaaaa cgttccaggg gctttggttt tgtgacttat tcttgtgttg 300 aagaggtgga tgcagcaatg tgtgctcgac cacacaaggt tgatgggcgt gtagtggaac 360 caaagagagc tgtttctaga gaggattctg taaagcctgg tgcccatcta acagtgaaga 420 aaatttttgt tggtggtatt aaagaagata cagaagaata taatttgaga gactactttg 480 aaaagtatgg caagattgaa accatagaag ttatggaaga caggcagagt ggaaaaaaga 540 gaggatttgc ttttgtaact tttgatgatc atgatacagt tgataaaatt gttgttcaga 600 aataccacac tattaatggg cataattgtg aagtgaaaaa ggccctttct aaacaagaga 660 tgcagtctgc tggatcacag aggggtcgtg gaggtggatc tggcaatttt atgggtcgcg 720 gagggaactt tggaggtggt ggaggtaatt ttggccgtgg tggaaacttt ggtggaagag 780 gaggctatgg tggtggaggt ggtggcagca gaggtagtta tggaggaggt gatggtggat 840 ataatggatt tggaggtgat ggtggcaact atggcggtgg tcctggttat agtagtagag 900 ggggctatgg tggtggtgga ccaggatatg gaaaccaagg tggtggatat ggtggaggtg 960 gaggatatga tggttacaat gaaggaggaa attttggcgg tggtaactat ggtggtggtg 1020 ggaactataa tgattttgga aattatagtg gacaacagca atcaaattat ggacccatga 1080 aagggggcag ttttggtgga agaagctcgg gcagtcccta tggtggtggt tatggatctg 1140 gtggtggaag tggtggatat ggtagcagaa ggttctaaaa acagcagaaa agggctacag 1200 ttcttagcag gagagagc gaggagttgt caggaaagct gcaggttact ttgagacagt 1260 cgtcccaaat gcattagagg aactgtaaaa atctgccaca gaaggaacga tgatccatag 1320 tcagaaaagt tactgcagct taaacaggaa accettettg ttcaggactg tcatagccac 1380 agtttgcaaa aagtgcagct attgattaat gcaatgtagt gtcaattaga tgtacattcc 1440 tgaggtcttt tatctgttgt agctttgtct ttttcttttt cttttcatta catcaggtat 1500 attgccctgt aaattgtggt agtggtacca ggaataaaaa attaaggaat ttttaacttt 1560

```
tcaatatttq tqtaqttcag tttttctaca ttttagtaca gaaactttaa caaaatgcag
                                                                     1620
                                                                    1680
tttcgaaggt gtttccttgt gagttaacaa gtaaagaaga tcattgttaa ttactatttt
gtatgaattt tgctaaagtt aactgtaaag aaacacctgc tgacttgcag tttaagggga
                                                                     1740
atctattctc cccatttcca aaccatgata tgaatgggcg ctgacatgtg gagagaatag
                                                                     1800
ataatttgtg tgtttgcaat gtgtgtttta gataaatagg attgggtatt taaattagca
                                                                     1860
tttgtgaatt taatagcatt aagattacct tcaaatgaaa aaaaatctca aaatttctat
                                                                     1920
ttggtttttg tgcattttct tttaaaatgt aatcatatga ttttagtgtg ttagacttgc
                                                                     1980
tgagtcctag ctgtgtttag aacagaacat ctctattcta catttacctt ggtcaaattt
                                                                     2040
gaactgctgc cataggtttt gggtgtaaag aatgtttact gccctccatt taaattctga
                                                                    2100
aaagggatgg tggatgtttt ccctctccta cgttagaaac cattcttaaa aacttttgaa
                                                                     2160
aatatagaac cattaagcct gctatatctg agcaaattaa tgggtacctt ttttttctta
                                                                     2220
tttaaagcac aagaggccca taaatcttga gttactttaa attcttttt ttgatacaag
                                                                     2280
ttttcagagc aagagaataa aaatcatgtg ttattaaacc cctaactggc tggcatgctt
                                                                     2340
tcctgtttgt attctataca ttttgctgga tgaaaccaag gatagttcag gtataattgt
                                                                     2400
ccaaaataac ctaactgcag cagaaatgta gcacagttgc ttagtacagg cttctcactt
                                                                     2460
cctacagacc tgaattcaaa tttggatagt ctgaqttctt aaattcccaa agaacacact
                                                                     2520
gttatttctt gtgtatattt caacataaat catgttgtta ccaatttgtt tggaaggccc
                                                                     2580
tggttgagaa gagttttagt taataaggtc atatatacat atattaatat aaaccaatgt
                                                                     2640
ctactgtttt gctccagcta gtgcttacag tttcattcga gccctgagta tgtgccctgc
                                                                     2700
tgttactctc tttggtagtt gaacgttgaa ttcaagtctt ttgttttaag aagtactaag
                                                                     2760
caaacaagca ataaaaaggg gaatggggtg tgctagtgtt tgaatatgct ctcttgttgc
                                                                     2820
tctaattctg tgcctctgtg cattaatatt tggatgcatg caatgccagc atggaaattg
                                                                     2880
gtcttcacat atactgcagt tttccagaaa cattcacaaa ccaataaatg taacagacat
                                                                     2940
tccatttgtt aatgggcata tatgtgaaaa gcagtgtaga aaataggcta atattagaaa
                                                                     3000
atggttaagt cctaaataac ttcaagtgtg gttatataat ggacactgtc aatgttcata
                                                                     3060
acttaaacct gggtacctgg tcaaaataat gcttgggaaa cattaaaatt gagctaaatt
                                                                     3120
gtctcaagtt cttttattca tataaataaa gtttaaagga atgggggaga ttaacatttc
                                                                     3180
ctgttttatg tttgtgaaat tgtttgacac aaccttgaca gtatccttta atggcatgag
                                                                     3240
gttaattgta ctgttaacca actttctatg ttctqqaact aqtattataq tqaaaacatt
                                                                     3300
tacagtaagt tgatgtttac aacctataag caggtgaaat ctgtgtatgt gacctgttta
                                                                     3360
taagttgtat tagcttagct cttgtgaaca gtgtggaaaa gtaagccatg aggagagcga
                                                                     3420
                                                                     3480
tttaaccacc tttaaaggac ctaagatgtg ctttttaagc acagtgtgga tcacagaaac
tcactaagac aggacttcag cagccttttg tgtttggaca agtcagcata aataaagaat
                                                                     3540
gacaaggcag cagcaagagc ttcaactaca gagaagtgaa ggcataagat actatgatga
                                                                     3600
tagtgagcca ctttccaaaa gctagttaaa atctgcttat tacaactgaa atatcgagaa
                                                                     3660
agtctagcag gaaggagc
                                                                     3678
```

```
<210> 7127
<211> 1471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1282)...(906)
<223> similar to gi3549605 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7127
tttacaagaa acactcatta tttattcatg tggctgaaag agtatattaa ttatgtttag
```

5776

60

```
atttttggaa aaagtctgaa caaaaaaagg acctatacag tgctcaaact atatttttaa
                                                                      120
                                                                      180
aaatactaat tttattttta ctccacatat ggaaaaaaat ggctgtacta tcatgtttac
                                                                      240
catacatact aacattggaa acagaataac gaattgtatt taaattttat gaagaacaca
                                                                      300
caaacattaa aacactgatt ggttacagaa agcagagttt gaggaaaaaa cattagctat
                                                                      360
aattttcatt ttcattaaag agcagcaccc tctgagaata atcaaactga ttagtaatat
                                                                      420
tcatctatac tgcaaaataa tatgtacaaa ggaaagttag tgattgtact gattttatta
cttttaccaa gccattttat gttcctcact caatgcaaag aaataaaaca taatctgaag
                                                                      480
                                                                      540
aaaaatatgt ccttattatt attcacaata aaaagttggc tttattctgc aagcctgggc
                                                                      600
atattgtaca attggcagca cttaacggct caagtggatc aatgtaccag tttgattctg
atccactgaa tagaatctct catccatatc tggtgaccag actaactcca tgggagctgt
                                                                      660
                                                                      720
gatagactga accatttctg tggtatccct agatctcact aaataagaaa gaccctacac
cagaaaatat agcaactgat ctatctataa attacatcta tatgctagct ctttagtata
                                                                      780
                                                                      840
agttggaaaa aggggccctt tcttgagcac atggataaaa gtattattgt agtctaaaga
                                                                      900
ttgctggatt gatattgtgt tgttataatg aagataaggt acacactgaa accactgtca
                                                                      960
gattaagaaa cttccacaac ttgtctcagt tcttcaaaca atggagcaag ttccttttct
                                                                     1020
aggetgacaa ttagteetgt attggeactg etgetggeta tgaaacteae caceaaaggt
aaacgattaa attgaaccac ctggtaggtg ttatagtaac agatgatact tttatttttg
                                                                     1080
                                                                     1140
qaaaqtccaa qtttgcttcc ttggtctgtt gcaagggcaa aagtggataa gaaaccaggt
                                                                     1200
cgcaaagcat gctctggagc attgtcattt gccactttaa taacaggtac tccatctcta
                                                                     1260
tetgacacaa caatggcatg gageeettea acaettggta actttttata caagaatege
                                                                     1320
tttaggtcat ccgccatgat gaaccccctt ctctcgcagg atcaatctcc acgcctgggg
                                                                     1380
tttctgggct gcctggttct ctccgctgtc acttcaggga cagctttaaa gacaggttcc
tecteaagee acegteacat gatteatgae etegtetgeg etecaggaag caetttataa
                                                                     1440
                                                                     1471
gccgccgtcg ccctacgata cgggatttcc g
```

```
<210> 7128
<211> 839
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (52)...(432)
<223> similar to gi3255997 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7128
geggggaatt cegatetget getegtetea ggetegtagt tegeetteaa catgeeggaa
                                                                       60
ccagcgaagt ccgctcccgc gcccaagaag ggctcgaaga aagccgtgac taaggcgcag
                                                                      120
                                                                      180
aagaaggacg gcaagaagcg caagcgcagc cgcaaggaga gctactccgt atacgtgtac
aaggtgctga agcaggtcca ccccgacacc ggcatctcct ctaaggccat gggaatcatg
                                                                      240
aactccttcg tcaacgacat cttcgaacgc atcgcgggtg aggcttcccg cctggcgcat
                                                                      300
tacaacaagc gctcgaccat cacctccagg gagatccaga cggccgtgcg cctgctgctg
                                                                      360
eccggggagt tggccaagca cgccgtgtcc gagggcacca aggccgtcac caagtacacc
                                                                      420
agegetaagt aaacttgeca aggagggact ttetetggaa ttteetgata tgaccaagaa
                                                                      480
agettettat caaaagaage acaattgeet teggttaeet cattatetae tgeagaaaag
                                                                      540
aagacgagaa tgcaaccata cctagatgga cttttccaca agctaaagct ggcctcttga
                                                                      600
teteatteag attecaaaga gaateattta caagttaatt tetgteteet tggteeatte
                                                                      660
cttctctcta ataatcattt actgttcctc aaagaattgt ctacattacc catctcctct
                                                                      720
tttgcctctg agaaagagta tataagcttc tgtaccccac tggggggttg gggtaatatt
                                                                      780
```

```
<210> 7129
<211> 1124
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (39)...(815)
<223> similar to gi5410308 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

tgcctttccg tcaattcctg tcctgggcgt acgtcaagat ggcggcgtct gtattaaaca 60 cegtgetgag geggetteet atgetatete tetteegagg tteteacaga gtteaggtte 120 ccctccagac tctttgcacc aaagctccct ctgaggaaga ttctttgtcc tcagttccca 180 tttctcctta taaggatgag ccctggaaat atctggaatc agaagaatac caggagcgat 240 atggttctcg ccccgtctgg gctgactacc gccgcaacca caagggtggt gtaccccac 300 ageggacteg gaagacatgt attegtegga ataaagttgt tgggaateee tgeeecatet 360 gtcgagatca caagttgcat gttgacttta ggaacgtgaa gctcttggag caatttgtct 420 gegeceacae gggtateate ttetatgete catacacagg aqtetqtqtq aaqeaqeaca 480 ageggttgac ccaggccatc cagaaagcca gggatcatqq tctcctcatt taccacatcc 540 cccaggttga accacgggac cttgacttca gtacctctca tggggctgtg agtgctactc 600 cgccagcccc caccctggtc tcaggtgacc cctggtaccc atggtacaac tggaaacagc 660 caccggagag agaactgtct cgccttcgcc ggctttacca gggtcatctc caagaagaga 720 gtggccccc acctgagtca atgcccaaga tgccccctag aacaccagcg gaagcctcct 780 ccactgggca gacaggccct cagagtgctc tgtaggagct gtagactggg aagagaggcc 840 aggegtggtg geteactect gtaateceag eactttggga ageeaaggtg ggetgateae 900 ttgatcccag gagtttgaga ccagcctggg caccatggtg aaacctcgtc tttaccaaaa 960 aatacaaaaa ttagctgggt gtggtggtgc acacctgtag tctcaactat tggggaggct 1020 aaggtaggat cacttgatcc caggaggcgg aggttgcagt gagttgcagt cacacccctg 1080 cactccagec tgggtgacag ctagaccctg tctcaaaaaa aaaa 1124

```
<210> 7130

<211> 2152

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(2153)

<223> n = a,t,c or g

<220>

<221> misc_feature
```

<400> 7129

```
<222> (110)...(891)
<223> similar to gi471981 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 7130
cgccgggcct ggggaagggg cgggcgcggg gacccgatgc gcgggagcgg aggccgagat
                                                                       60
ggcttcggcg ggaggcgaag actgcgagag ccccgcgccg gaggccgacc gtccgcacca
                                                                      120
geggeeette etgatagggg tgageggegg caetgeeage gggaagtega eegtgtgtga
                                                                      180
gaagatcatg gagttgctgg gacagaacga ggtggaacag cggcagcgga aggtggtcat
                                                                      240
cetgagecag gacaggttet acaaggteet gacggcagag cagaaggeca aggeettgaa
                                                                      300
                                                                      360
aggacagtac aattttgacc atccagatgc ctttgataat gatttgatgc acaggactct
gaagaacatc gtggagggca aaacggtgga ggtgccgacc tatgattttg tgacacactc
                                                                      420
aaggttacca gagaccacgg tggtctaccc tgcggacgtg gttctgtttg agggcatctt
                                                                      480
ggtgttctac agccaggaga tccgggacat gttccacctg cgcctcttcg tggacaccga
                                                                      540
ctccgacgtc aggctgtctc gaagagttct ccgggacgtg cgccgaggga gggacctgga
                                                                      600
gcagattetg acgeagtaca ccacettegt gaageeggee ttegaggagt tetgeetgee
                                                                      660
gacaaagaag tatgccgatg tgatcatccc gcgaggagtg gacaatatgg ttgccatcaa
                                                                      720
cctgatcgtg cagcacatcc aggacattct gaatggtgac atctgcaaat ggcaccgagg
                                                                      780
agggtccaat gggcggagct acaagcggac cttttctgag ccaggggacc accctgggat
                                                                      840
getgacetet ggcaaacggt cacatttgga gtecagcage agaceccaet gaggggetge
                                                                      900
egageeteag ggeaggtete eegeeeggea tgtgtgttea gggaetgage etqqqqaeqe
                                                                      960
ccacccacac ccactgette eteteggege accccagggg agtgttagea gegaggeett
                                                                     1020
cctcactcag gagtggaaac tcagatgtgt cactcagact caacttgctg ggacactgac
                                                                     1080
aggogttoot gaggttttca gocacttagg ctcgttgcgg tttaaagatc cctctaggtc
                                                                     1140
actgagaaat gccacagaat gtgcaggaag cctgggaggc ttctgtgagg aatgtgaggc
                                                                     1200
acattattgg ggaaattgag gagacagcct agacactggc tggcctgatg ttttgttgac
                                                                     1260
agtgaaccca cagtgggaga gagtttttc cagtctgatc tggttcttac acactcacac
                                                                     1320
acataactca aaagttttgt gaacaagtac tttccttttt tacatgttac atqtcctcat
                                                                     1380
gttttctgtt ttctgtttca taacacaagg ctggttgtgg cctacaaacc taatttcatg
                                                                     1440
acccagtggt ttgcagtcca gcgtggccta cacggatatg gggagccact gagggatgtt
                                                                     1500
ttcccccctt gcttgtgcct taaaggcaga gaagcgaggc ggatgccctg gaagcaccca
                                                                     1560
gcatcacacc caggettgtg eggggecagg etgggagece atgeagtagg geagaaggea
                                                                     1620
geggaggeea ggtetgteee ggetggagaa eagegtteea egeaagteet geetggggte
                                                                     1680
aggccctcac tgaccctcag gggagccccc aaggtgctgt ctgtcctaaa acaggctgtt
                                                                     1740
cccacccag ggtggctagt gggcccatat gcagggaatg gtgcttcctg gctgtggcac
                                                                     1800
tgcactgggn tcaacccagg tccccagcag acatggcctg cccaaagtca gcaagcctcc
                                                                     1860
tttgtgcgta tgtggagete acageeteae atgtgaacae eegtgtetgg gttgeetqqq
                                                                     1920
gtgatcctcc ctcctgcgtg gtggctgtct ctggaaagca tcccttgccg ctgccatggg
                                                                     1980
cagccccagc ccccgtccgt ccaggctcac ccacagtagt gatgcagacg tgacgtgggg
                                                                     2040
gaagggggct gagccctgtg gctgggttct gacaactgta acggttttgt cgagcttagg
                                                                     2100
cccctttgga gggagaatca ataaataaca aacaccaact acaaaaaaaa aa
                                                                     2152
```

```
<210> 7131
<211> 883
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (389)...(669)
```

<223> similar to gi5912179 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 7131
tttcgtgccg gtcggaggcg gtcggcggag gtgtctaccc cgccggtgat ggcgttgaac
                                                                      60
gecaetgget teceggeett cegteegetg ceteegteeg attetgegte tgettgetga
                                                                     120
ggaggcggat taggggggcg cggagtctct tcccttgagt gcataggtcc cggttggtag
                                                                     180
agggtttgag teegeatege cacagetgaa ggetgegagg gaetaagage agaatatate
                                                                     240
tttagaaatg agttgcacaa ttgagaaggc acttgccgac gctaaagctc ttgttgaaag
                                                                     300
attaagagat catgacgatg cagcagaatc tetgattgag caaaccacag etetcaacaa
                                                                     360
gcgagtagaa gccatgaaac agtatcagga agaaattcaa gaacttaatg aagtcgcgag
                                                                     420
acateggeca eggtecaegt tagttatggg aatecageaa qaaaacaqae aaateaqaqa
                                                                     480
gttgcaacaa gaaaacaaag aattacgtac atctctqqaa qaacatcaqt cqqccttqqa
                                                                     540
acttataatg agcaagtacc gagaacaaat gtttagattg ctaatggcta gcaaaaaaga
                                                                     600
tgatccgggt ataataatga agttaaaaga gcagcactcc aagattgaca tggtacatcq
                                                                     660
taacaagtcc gaaggattct tccttgatgc atctcgacac atccttgaag cacctcaaca
                                                                     720
tggactggag agaaggcact tggaagcaaa tcagaatgta cactaaataa acagtcaact
                                                                     780
tttggggtgt ggatggaagg ggggtccatt ttaaaagtgc ttttacattg aatttccctc
                                                                     840
ccagattaga tcagcaaata aatgaaattt attaaaaaaa aaa
                                                                     883
```

```
<210> 7132
<211> 2356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2357)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2143)...(189)
<223> similar to gi3493162 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7132
ttttttttt ttcccaggtc cagctttatt acctaataca agtccaacct ctggaacatc
                                                                       60
caaattcgct gttccaaagt ttaattaaaa acacaattta caaatattta atatcttctg
                                                                      120
aaaagcattt ttaagttaag aatgaaaaag tatgtacata atatataatc aaataccagg
                                                                      180
cagceteaac ttecaceagg tecacaetea geaacateeg tetttttagg ttetteagtg
                                                                      240
tcttctgtca aatccacaaa gttgttttcc atgacggggg aaggaatgga aatccccatt
                                                                     300
gcttttcgaa ctccatacgt gcttacgata tcacctggag ttacttgctg tgcaagttct
                                                                     360
ttaagattat tggtcacttg ttcagcaaga tgcatttctc tgtatgaggg acccaagaga
                                                                     420
cagateatgt teggaggggg tetggtgete aaaegtteat tetgggette etggagttee
                                                                      480
ctgagcaatc tggtggtctc atcaagtttc ttctggaata tttcagcttc ttcagagtca
                                                                      540
aaaacttcaa ctggaacgcc aaaatttgtt actgctttca gcgctatgag cctgtcttga
                                                                     600
```

```
gtactggagt ccaaacgeec tggtggetet acttetgtaa tetgeteeat ttettttget
                                                                      660
gtgtcaagtg tectagtatg geetteatet teaggeaatg acateteeat etettgtagg
                                                                      720
gtcctggaat gccctccttt tgttaaaaca tccagtaaac tatctgccat gacatacgga
                                                                      780
taatettgge aegtggeeaa aaacteatgg atgetgaaat caettggaag ateagagtet
                                                                      840
tececatagg ttgaatagat taaateagaa teateettge tgatatttge aaatgtggag
                                                                      900
                                                                      960
tcataatgcg gtgcataaga actgtagggc ccataattca aatataacac tggagtgact
ttgttccttt tatcctcttt gaacccctgc aaagtattca ctccagactg aagtcttcca
                                                                     1020
gttgtcattc ccagtctcac agggcagtag cctggctctc ctacaatggg atccacagga
                                                                     1080
tggagaagtc ccaacgtcgt tgttccatct ggttttcttc tttcaaattc gcactgactg
                                                                     1140
ttcacaagcc gcctggtcag ctttcctcca gattccttca cgatgcggtc aagctgctcc
                                                                     1200
tgctctctct ctaaattatt gcttttaaac ttatcttcaa gcatatcttt gtctttcttt
                                                                     1260
ttattttctt tgctgggact cttgaaggcg tgtgcttcgg catctccaga gtcctctctc
                                                                     1320
tetetetgee ageageetee gteeteecea etetgtgagg tgtetgttee atetttetge
                                                                     1380
tttcgagttt tctgcaagtc agccatgaag tctatgctct gcttcaggct ctgaattctt
                                                                     1440
tectggetaa gaatttteat teetgagtge aacagettet ttgeagettt ataataaatg
                                                                     1500
gtctctggtt tattgtaaat catggcatta gtacacatta gtttgaagtt atcctttagt
                                                                     1560
tcttctatgg actgatagtc attgttcttg atcttttctt tcatggtact aaaatccatt
                                                                     1620
gggtgtttaa tgatcatgga gtagccagga gcaataaaat cagtcacagg aaatgaaaag
                                                                     1680
aaagcacttg gatcttttct ctgcaattgt ctcatcagtt gattcaaagc ttcttgaagg
                                                                     1740
ggtgtctgtt ctacttcttc ttgtttggct aaagagcttg tgagaggctt ctcaggaggc
                                                                     1800
aagtctaatc tcacaggggc gtgacactgg agatcttttt ctgcctcatt ctccacccgg
                                                                     1860
tetegatete gettetttt atecteetta actettetee gtttteteee ettttetee
                                                                     1920
cetggaatet gettetetee tttetttete ttttteeget ttetgteett gtgtttgtea
                                                                     1980
tgatcgtttt tgtcttcgaa gaggctggag tcgtgccccg agctgcccgt ggagagttcg
                                                                     2040
gtgacttcgt tccctcctac tttgaggacc agcttcaagg gcttctctac atactcctcg
                                                                     2100
tagaggtgtt tgtccgactt gtgcttcttg tgcttcttgc agaaaactcg aaagcagaaa
                                                                     2160
gatggaacag acacctcaca gagtggggag gncggaggct gctggcagag agagagagag
                                                                     2220
gactctggag atgccgaagt acacgccttc aagagtccca gcaaagaaaa taaaaagaaa
                                                                     2280
gacaaagata tgcttgaaga taagtttaaa agcaataatt tagagagaga gcaggagcag
                                                                     2340
cttaaccgca tcgtga
                                                                     2356
```

```
<210> 7133
<211> 1944
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (205)...(670)
<223> similar to gi3879017 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7133
ccagtctggt ggaattcctg tgaggggccg cgtctcgcag cagccgcccg gaccgggcat 60 ggtgttgggc gccgggcccg cctcgcctgt ctcggggagc ccagggtaaa ggcagcagta 120 atgctaacgc tagcaagtaa actgaagcgt gacgatggtc tcaaagggtc ccggacggca 180 gccacagcgt ccgactcgac tcggagggtt tctgtgagag acaaattgct tgttaaagag 240 gttgcagaac ttgaagctaa tttaccttgt acatgtaaag tgcattttcc tgatccaaac 300 aagcttcatt gtttcagct aacagtaacc ccagatgagg gttactacca gggtggaaaa 360 tttcagtttg aaactgaagt tcccgatgcg tacaacatgg tgcctccaa agtgaaatgc 420
```

```
480
ctgaccaaga tctggcaccc caacatcaca gagacagggg aaatatgtct gagtttattg
agagaacatt caattgatgg cactggctgg gctcccacaa gaacattaaa ggatgtcgtt
                                                                      540
tggggattaa actctttgtt tactgatctt ttgaattttg atgatccact gaatattgaa
                                                                      600
gctgcagaac atcatttgcg ggacaaggag gacttccgga ataaagtgga tgactacatc
                                                                      660
                                                                      720
aaacgttatg ccagatgata aaaggggacg attgcaggcc catggactgt gttacagttt
                                                                      780
gtototaaca tgaaacagca agaggtagco coctotocog tootoatgot coctotoagt
cccctggatt gccccagtcc tgtgaccatg ttgccctgaa gaagaccatc ttcatgactg
                                                                      840
ctcattgtag atggagaatt caacataaat acagcaagaa aatgtgtttg ggcttctgaa
                                                                      900
gagttgtctg cttaccttaa catgtttact tttttgaact tgtactgtat aggctgttgg
                                                                      960
tgaaattctt aagaagttgt aatgaactca aaattgaggc cagagcttgc tttccctttt
                                                                     1020
                                                                     1080
cccaaacaaa attggttttc tgcacaagcg atgctaatga tgtgttcagt gtaactcgca
gattggcaat aagatacccg ctacaaactg tgattggatg caaaatctct tagcttcttt
                                                                     1140
cacgaatgtt ggccctgcct agatgttgtg aagcctccca gaatgcatag agtcattcac
                                                                     1200
tgtagatctc ttattgaaat gcgtatttta tttaatgtaa gtatattttg gaacagattt
                                                                     1260
gtaatttgta caattcaatg ctttaattat tttttctatt ctcatttagt ttgtattttc
                                                                     1320
attgtataga gcagacagaa agatgttggg tcaagcaact attgaagaga aatacaaaga
                                                                     1380
aaatatgaaa ggcacattat tcattttgtc caaatgcaat gagaatctca ctcttaaaaa
                                                                     1440
tcagctcttg ctttcgggtc cggatgtggt gagcacattt tggagccctt tgaagctaga
                                                                     1500
tttggatgat caaaacaaaa aggcagggag cccattctaa catgctgccc agaggaaact
                                                                     1560
ggctggagcc tggaccagct ggggctgatg cttttgcagt ggtcatgtga ttgtgacctg
                                                                     1620
gtagctactt atcagagagc ccagaccctg ctgtcctggg agacaggagc gatgcctcag
                                                                     1680
gaatcagccc aatgtctgat gtcactgaga ctgtacctgt ggccattctt ctgagtttgc
                                                                     1740
tatggeteca aggecetgee ggetggggtg aageeteeta aggecettgg aaggaceaag
                                                                     1800
gagtcaacag tggcatatgc catcctccgg ccaggttaat atactgcaga ggaaaagccc
                                                                     1860
tgaagagagg caagtggatt tactccagca tgtagacatt tgaaccagtg aaatcaaaca
                                                                     1920
caaaataaat gtctgtctag tttc
                                                                     1944
```

```
<210> 7134
<211> 1565
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (80)...(922)
<223> similar to gi4894847 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7134
ccgctgagtc ggcagcctcg ccggcagctc gctcggcccc cgcttggccc ggcccgcagg
                                                                       60
gttctctccc cttgccacca tgagcgagtc atttgactgt gcaaaatgca acgagtccct
                                                                      120
gtatggacgc aagtacatcc agacagacag cggcccctac tgtgtgccct gctatgacaa
                                                                      180
tacctttgcc aacacctgtg ctgagtgcca gcagcttatc gggcatgact cgagggagct
                                                                      240
gttctatgaa gaccgccatt tccacgaggg ctgcttccgc tgctgccgct gccagcgctc
                                                                      300
actageegat gaaccettea cetgeeagga cagtgagetg etetgeaatg actgetactg
                                                                      360
cagtgcgttt tcctcgcagt gctccgcttg tggggagact gtcatgcctg ggtcccggaa
                                                                      420
gctggaatat ggaggccaga catggcatga gcactgcttc ctgtgcagtg gctgtgaaca
                                                                      480
gccactgggc tcccgttctt ttgtgcccga caagggtgct cactactgcg tgccctgcta
                                                                      540
tgagaacaag tttgctcctc gctgcgcccg ctgcagcaag acgctgacac agggtggagt
                                                                      600
gacataccgt gatcagccgt ggcatcgaga atgtctggtc tgtaccggat gccagacgcc
                                                                      660
```

```
cctggcaggg cagcagttca cctcccggga tgaagatccc tactgtgtgg cctgttttgg
                                                                      720
                                                                      780
agaactettt geacetaagt geageagetg caagegeeee ategtaggae teggtggagg
caagtatgtg teetttgaag acegacactg geaceacaac tgetteteet gegeeegetg
                                                                      840
ctctacctcc ctggtgggcc agggettegt accggatgga gaccaagtgc tctgccaggg
                                                                      900
ctgtagccag gcagggccct aagccagggc tcctggaccc aggctttccc ataccacggg
                                                                      960
cccaggactg tggctccttt tctaaaccac ctctgggact cagctccccc cgccaaaaaa
                                                                     1020
aatgggtete ettetggget eeaggattgt eteceeaete eageateeee aaaetggtae
                                                                     1080
tecetgacee aggeeceeaa teetgggete ttacagagee tecatgagte aageeceete
                                                                     1140
cccacacctg gactccagaa ttcaccctct cccctgcagt ctgggttccc agactgagtc
                                                                     1200
ctctccccaa atcagggctc tagacccgag ccctccaaac ctggactctg ggacttaggc
                                                                     1260
ccccttaaat ctagacttct ctttataggt ttcaggtctc ctatgggtgc ctgggaagtc
                                                                     1320
cttgaaagtg gactgttctc aggcttgacc tgccccaccc catccccgcg gttgaggctg
                                                                     1380
tgggggcagc agatcaggag cccactgata aggggcccta gggtacaggg tgctgcccag
                                                                     1440
caggicgcca ccgagigici ictcattita titcagcicc attitigccca tagatgggca
                                                                     1500
gaggggtgag attggctcat cccccttcca gattctgcaa taaagcggtg tgaggaaaaa
                                                                     1560
aaaaa
                                                                     1565
```

```
<210> 7135
<211> 2219
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (421)...(1374)
<223> similar to gi4680675 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7135
gagacggagt ttccctcttg ttgcccaggc tggaaatggc gcgatctcgg ctcacagcaa
                                                                       60
cetetgeete eeggatttaa gegattetee tgetteagee teeegagtag etgggattae
                                                                      120
aggcatgcac caccatgcct ggctaatttt gtatttctag tagagatggg gtttctccat
                                                                      180
gttggtcagg ctggtcttga actcccgacc tcaggtgatc cacctgcctt ggcctcccaa
                                                                      240
agtgctggga ttacaggcgt gacgactgca cctgcagccg cctagtcctc ttctccttct
                                                                      300
ctttgatgat tcagggcctc ggcttccctc acgatattgc agaaagacac agctttcctc
                                                                      360
ttcctctcca aaccacctcg aagcaggggc ataattggaa tatcatttgg agaaagtgtc
                                                                      420
atggaagttc tgcgtccaca gcttataaga attgatggcc ggaattacag gaagaatcca
                                                                      480
gtccaagaac agacctatca acatgaagaa gatgaagagg acttctatca aggctccatq
                                                                      540
gagtgtgctg atgagccctg tgatgcctac gaggtggagc agaccccaca aggattccgg
                                                                      600
tctactttga gggccccag cttgctctat aagcatatag ttggaaagag aggggacact
                                                                      660
aggaagaaaa tagaaatgga gaccaaaact tctattagca ttcctaaacc tggacaagac
                                                                      720
ggggaaattg taatcactgg ccagcatcga aatggtgtaa tttcagcccg aacacggatt
                                                                      780
gatgttcttt tggacacttt tcgaagaaag cagcccttca ctcacttcct tgcctttttc
                                                                      840
ctcaatgaag ttgaggttca ggaaggattc ctgagattcc aggaggaagt actggcgaag
                                                                      900
tgctccatgg atcatggggt tgacagcagc attttccaga atcctaaaaa gcttcatcta
                                                                      960
actattggga tgttggtgct tttgagtgag gaagagatcc agcagacatg tgagatgcta
                                                                     1020
cagcagtgta aagaggaatt cattaagcta caagaattag ttgatcgagt gctggaacgt
                                                                     1080
tttcaggcat ctggactaat agtgaaagag tggaatagtg tgaaactgca tgctacagtt
                                                                     1140
atgaatacac tattcaggaa agaccccaat gctgaaggca ggtacaatct ctacacagcg
                                                                     1200
gaaggcaaat atatcttcaa ggaaagagaa tcatttgatg gccgaaatat tttaaagttg
                                                                     1260
```

```
tttgagaact tctactttgg ctccctaaag ctgaattcaa ttcacatctc tcagaggttc
                                                                    1320
accgtagaca gctttggaaa ctacgcttcc tgtggacaaa ttgacttctc ctgaggtgga
                                                                    1380
tcttggaaag cactagaaac taaacatctt caccaggtgc tgaagaaaag tgtcttcgtt
                                                                    1440
ttaattgcca agcagggatg tggacatttg gatggtgact ttcctgggtg gttccccata
                                                                    1500
gattcaccat tgcctctaat ggtgtctaca cccgtcatac taccagctga gatggtggtg
                                                                    1560
ggcataagga gaatttgtgc ctataaccct tagtgtgttc tggttttttt tcttttaatt
                                                                    1620
tttaaattgt cgtaaaatac tcataaaaca tactgtcttc accattttta agtgcacagt
                                                                    1680
tcagtaacgt taactgttaa tacattcata atgctgtgtg gccgtcaccg gccgtccaat
                                                                    1740
ctccccatag gcttctccag cctgtaaaaa tgggaaaact gtacccccat taaaacagta
                                                                    1800
aatecccaac teceteceec ageccecege ageccaceca tectgeettt cetgteetee
                                                                    1860
totggttttg actattctca gtatctcata taagtggaat catacagtga cttgtctttt
                                                                    1920
tgtgactggc ttatttcact tagcataatg tcctcaaggt tcatccatgt tgtgtcaggt
                                                                    1980
gacaggattt ccttcctgta ttatacatat aatggaatgt tccgttacat gtgcgtacca
                                                                    2040
cactetytte etecateagt gaacaettgg ettgetteet ettgaetatt gggagtagtg
                                                                    2100
ctaatacaga cacgggggtg caaatatctc tttqaqactc tqcctttaat tcctttacca
                                                                    2160
cccagagttt tatctttagc aaaataacca ttaaagttgt ttgcctttta aaaaaaaaa
                                                                    2219
```

```
<210> 7136
<211> 5359
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (179)...(5028)
<223> similar to gi1632819 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7136 cccacgcgtc cgcttctgca cagggtatcg cctctctccg tttggtacat cccctcctcc 60 cccacgcccg gactggggtg gtagacgccg cctccgctca tcgcccctcc ccatcggttt 120 ccgcgcgaaa agccggggcg cctgcgctgc cgccgccgcg tctgctgaag cctccgagat 180 gccggcgcgt accgccccag cccgggtgcc cacactggcc gtcccggcca tctcgctgcc 240 cgacgatgtc cgcaggcggc tcaaagattt ggaaagagac agcttaacag aaaaggaatg 300 tgtgaaggag aaattgaatc tcttgcacga atttctgcaa acagaaataa agaatcagtt 360 atgtgacttg gaaaccaaat tacgtaaaga agaattatcc gaggagggct acctqqctaa 420 agtcaaatcc cttttaaata aagatttgtc cttggagaac ggtgctcatg cttacaaccg 480 ggaagtgaat ggacgtctag aaaacgggaa ccaagcaaga agtgaagccc gtagagtggg 540 aatggcagat gccaacagcc cccccaaacc cctttccaaa cctcgcacgc ccaggaggag 600 caagtccgat ggagaggcta agcctgaacc ttcacctagc cccaggatta caaggaaaag 660 caccaggcaa accaccatca catctcattt tgcaaagggc cctgccaaac qqaaacctca 720 ggaagagtet gaaagageea aateggatga gteeateaag gaagaagaea aagaceagga 780 tgagaagaga cgtagagtta catccagaga acgagttgct agaccgcttc ctgcagaaga 840 acctgaaaga gcaaaatcag gaacgcgcac tgaaaaggaa gaagaaagag atgaaaaaga 900 agaaaagaga ctccgaagtc aaaccaaaga accaacaccc aaacagaaac tgaaggagga 960 gccggacaga gaagccaggg caggcgtgca ggctgacgag gacgaagatg gagacgagaa 1020 agatgagaag aagcacagaa gtcaacccaa agatctagct gccaaacgga ggcccgaaga 1080 aaaagaacct gaaaaagtaa atccacagat ttctgatgaa aaagacgagg atgaaaagga 1140 ggagaagaga cgcaaaacga cccccaaaga accaacggag aaaaaaatgg ctcgcgccaa 1200 aacagtcatg aactccaaga cccaccctcc caagtgcatt cagtgcgggc agtacctgga 1260

```
cgaccetgae ctcaaatatg ggcageacce accagacgeg gtggatgage cacagatget
                                                                     1320
gacaaatgag aagctgtcca tctttgatgc caacgagtct ggctttgaga gttatgaggc
                                                                     1380
getteeccag cacaaactga cetgetteag tgtgtactgt aagcaeggte acetgtgtee
                                                                     1440
categacace ggcctcateg agaagaatat cgaactette ttttctggtt cagcaaaace
                                                                     1500
aatctatgat gatgacccgt ctcttgaagg tggtgttaat ggcaaaaatc ttggccccat
                                                                     1560
aaatgaatgg tggatcactg gctttgatgg aggtgaaaag gccctcatcg gcttcagcac
                                                                     1620
ctcatttgcc gaatacattc tgatggatcc cagtcccgag tatgcgccca tatttgggct
                                                                     1680
gatgcaggag aagatctaca tcagcaagat tgtggtggag ttcctgcaga gcaattccga
                                                                     1740
ctcgacctat gaggacctga tcaacaagat cgagaccacg gttcctcctt ctggcctcaa
                                                                     1800
cttgaaccgc ttcacagagg actccctcct gcgacacgcg cagtttgtgg tggagcaggt
                                                                     1860
ggagagttat gacgaggccg gggacagtga tgagcagccc atcttcctga cgccctgcat
                                                                     1920
gegggacetg atcaagetgg etggggteac getgggacag aggegagece aggegageg
                                                                     1980
gcagaccatc aggcattcta ccagggagaa ggacagggga cccacgaaag ccaccaccac
                                                                     2040
caagctggtc taccagatct tcgatacttt cttcgcagag caaattgaaa aggatgacag
                                                                     2100
agaagacaag gagaacgcct ttaagcgccg gcgatgtggc gtctgtgagg tgtgtcagca
                                                                     2160
gcctgagtgt gggaaatgta aagcctgcaa ggacatggtt aaatttggtg gcagtggacg
                                                                     2220
gagcaagcag gcttgccaag agcggaggtg tcccaatatg gccatgaagg aggcagatga
                                                                     2280
cgatgaggaa gtcgatgata acatcccaga gatgccgtca cccaaaaaaa tgcaccaggg
                                                                     2340
gaagaagaag aaacagaaca agaatcgcat ctcttgggtc ggagaagccg tcaagactga
                                                                     2400
tgggaagaag agttactata agaaggtgtg cattgatgcg gaaaccctgg aagtggggga
                                                                     2460
ctgtgtctct gttattccag atgattcctc aaaaccgctg tatctagcaa gggtcacggc
                                                                     2520
gctgtgggag gacagcagca acgggcagat gtttcacgcc cactggttct gcgctgggac
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agacacagte eteggggeea egteggaeee tetggagetg ttettggtgg atgaatgtga
                                                                     2640
ggacatgcag ctttcatata tccacagcaa agtgaaagtc atctacaaag ccccctccga
                                                                     2700
aaactgggcc atggagggag gcatggatcc cgagtccctg ctggaggggg acgacgggaa
                                                                     2760
gacctacttc taccagctgt ggtatgatca agactacgcg agattcgagt cccctccaaa
                                                                     2820
aacccagcca acagaggaca acaagttcaa attctgtgtg agctgtgccc gtctggctga
                                                                     2880
gatgaggcaa aaagaaatcc ccagggtcct ggagcagctc gaggacctgg atagccgggt
                                                                     2940
cctctactac tcagccacca agaacggcat cctgtaccga gttggtgatg gtgtgtacct
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gccccctgag gccttcacgt tcaacatcaa gctgtccagt cccgtgaaac gcccacggaa
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ggagcccgtg gatgaggacc tgtacccaga gcactaccgg aaatactccg actacatcaa
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aggcagcaac ctggatgccc ctgagcccta ccgaattggc cggatcaaag agatcttctg
                                                                     3180
teccaagaag ageaaeggea ggeecaatga gaetgaeate aaaateeggg teaacaagtt
                                                                     3240
ctacaggeet gagaacacee acaagteeac tecagegage taccaegeag acateaacet
                                                                     3300
gctctactgg agcgacgagg aggccgttggt ggacttcaag gctgtgcagg gccgctgcac
                                                                     3360
cgtggagtat ggggaggacc tgcccgagtg cgtccaggtg tactccatgg gcggcccaa
                                                                     3420
eegettetae tteetegagg eetataatge aaagageaaa agetttgaag ateeteeeaa
                                                                     3480
ccatgcccgt agccctggaa acaaagggaa gggcaaggga aaagggaagg gcaagcccaa
                                                                     3540
gtcccaagcc tgtgagccga gcgagccaga gatagagatc aagctgccca agctgcggac
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cctggatgtg ttttctggct gcggggggtt gtcggaggga ttccaccaag caggcatctc
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tgacacgctg tgggccatcg agatgtggga ccctgcggcc caggcgttcc ggctgaacaa
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ccccggctcc acagtgttca cagaggactg caacatcctg ctgaagctgg tcatggctgg
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ggagaccacc aactecegeg gecagegget geceeagaag ggagaegtgg agatgetgtg
                                                                     3840
cggcgggccg ccctgccagg gcttcagcgg catgaaccgc ttcaattcgc gcacctactc
                                                                     3900
caagttcaaa aactctctgg tggtttcctt cctcagctac tgcgactact accggccccg
                                                                     3960
gttcttcctc ctggagaatg tcaggaactt tgtctccttc aagcgctcca tggtcctgaa
                                                                     4020
getcaccete egetgeetgg teegeatggg etateagtge acetteggeg tgetgeagge
                                                                     4080
cggtcagtac ggcgtggccc agactaggag gcgggccatc atcctggccg cggccctgg
                                                                     4140
agagaagete cetetgttee eggageeact geacgtgttt geteeeeggg cetgeeaget
                                                                     4200
gagcgtggtg gtggatgaca agaagtttgt gagcaacata accaggttga gctcgggtcc
                                                                     4260
tttccggacc atcacggtgc gagacacgat gtccgacctg ccggaggtgc ggaatggagc
                                                                     4320
ctcggcactg gagatetect acaacgggga geeteagtee tggttecaga ggeageteeg
                                                                     4380
gggcgcacag taccagccca tcctcaggga ccacatctgt aaggacatga gtgcattggt
                                                                     4440
ggctgcccgc atgcggcaca tccccttggc cccagggtca gactggcgcg atctgcccaa
                                                                     4500
catcgaggtg cggctctcag acggcaccat ggccaggaag ctgcggtata cccaccatga
                                                                     4560
caggaagaac ggccgcagca gctctggggc cctccgtggg gtctgctcct gcgtggaagc
                                                                     4620
cggcaaagcc tgcgaccccg cagccaggca gttcaacacc ctcatcccct ggtgcctgcc
                                                                     4680
```

```
ccacaceggg aaccqqcaca accactqqqc tqqcctctat ggaaqqctcq aqtgggacgg
                                                                    4740
cttcttcagc acaaccgtca ccaaccccga gcccatgggc aagcagggcc gcgtgctcca
                                                                    4800
cccagagcag caccgtgtgg tgagcgtgcg ggagtgtgcc cgctcccagg gcttccctga
                                                                    4860
cacctacegg ctetteggca acatcetgga caagcacegg caggtgggca atgccgtgcc
                                                                    4920
accgcccctg gccaaagcca ttggcttgga gatcaagctt tgtatgttgg ccaaagcccg
                                                                    4980
agagagtgcc tcagctaaaa taaaggagga ggaagctgct aaggactagt tctgccctcc
                                                                    5040
cgtcacccct gtttctggca ccaggaatcc ccaacatgca ctgatgttgt gtttttaaca
                                                                    5100
tgtcaatctg tccgttcaca tgtgtggtac atggtgtttg tggccttggc tgacatgaag
                                                                    5160
ctgttgtgtg aggttcgctt atcaactaat gatttagtga tcaaattgtg cagtactttg
                                                                    5220
tgcattctgg attttaaaag ttttttatta tgcattatat caaatctacc actgtatgag
                                                                    5280
tggaaattaa gactttatgt agtttttata tgttgtaata tttcttcaaa taaatctctc
                                                                    5340
ctataaacca aaaaaaaaa
                                                                    5359
```

```
<210> 7137
<211> 844
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (62)...(651)
<223> similar to gi36128 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7137
aggateetta ataaattaat eeceeeeee eegettteet ttegetgetg eggeegeage
                                                                      60
catgagtatg ctcaggcttc agaagaggct cgcctctagt gtcctccgct gtggcaagaa
                                                                      120
gaaggtetgg ttagacccca atgagaccaa tgaaatcgcc aatgccaact cccqtcaqca
                                                                      180
gatccggaag ctcatcaaag atgggctgat catccgcaag cctgtgacgg tccattcccq
                                                                      240
ggctcgatgc cggaaaaaca ccttggcccg ccggaagggc aggcacatgg gcataggtaa
                                                                      300
gcggaagggt acagccaatg cccgaatgcc agagaaggtc acatggatga ggagaatgag
                                                                      360
gattttgcgc cggctgctca gaagataccg tgaatctaag aagatcgatc gccacatgta
                                                                      420
tcacagcetg tacetgaagg tgaaggggaa tgtgttcaaa aacaagegga ttetcatqqa
                                                                     480
acacatecae aagetgaagg cagacaagge cegeaagaag eteetggetg accaqqetqa
                                                                      540
ggcccgcagg tctaagacca aggaagcacg caagcgccgt gaagagcgcc tccaggccaa
                                                                     600
gaaggaggag atcatcaaga ctttatccaa ggaggaagag accaagaaat aaaacctccc
                                                                     660
actttgtctg tacatactgg cctctgtgat tacatagatc agccattaaa ataaaacaag
                                                                      720
ccttaaaaaa aaaaaaaagg ggcggccgtt ttaaaggatc cttggggggg cccaagttta
                                                                      780
cgcgggcatg caaggtaata gtttttcct tatagggagt ggtattataa cctacctggg
                                                                      840
gatt
                                                                      844
```

```
<210> 7138
<211> 2315
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> (458)...(1345)
<223> similar to gi4096748 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7138 ggcgctactc cggggcttca cgggattgtg gcggtcctct ctcccaattc ggaagctaca 60 getacetecg gaegetetea agatggegae etetetgggt tecaacacet acaacaggea 120 gaactgggag gatgcggact tccccattct gtgccagaca tgtcttggag aaaacccata 180 tatccgaatg accaaagaaa agtatgggaa ggaatgcaaa atctgtgcca ggccattcac 240 agtgtttcgc tggtgccctg gagtccgcat gcgtttcaag aagactgaag tgtgccaaac 300 ctgcagtaaa ttgaagaatg tctgtcagac ctgcctctta gacctagagt atggcctgcc 360 catccaggtt cgtgacgcag gattgtcttt taaagatgac atgccaaagt cagatgtcaa 420 caaagagtac tatacacaga atatggagag agagatttct aactctgatg gaacacgqcc 480 agttggcatg ctggggaaag ccacatctac cagtgacatg ctgctcaaac tggcccggac 540 cacaccctac tacaaaagga atcgacccca catttqctcc ttctqqqtqa aaqqaqaqtq 600 taagagagga gaggaatgtc catacagaca tgagaagcct acagatccag atgacccct 660 tgctgatcag aatattaaag accgttatta cggaatcaat gatcctgtag ctgacaagct 720 tctaaagcgg gcttcaacaa tgcctcggct ggacccacca gaggataaaa ctatcaccac 780 actatatgtt ggtggtctag gtgataccat tactgagaca gatttaagaa atcatttcta 840 ccagttcgga gagatccgga cgatcactgt tgtgcagaga cagcagtgtg ctttcatcca 900 gtttgccaca cggcaggctg cagaagtggc tgctqaqaaq tcctttaata aqttqattqt 960 1020 agagaaagat ggaactacag actctgggat caaactagaa cctgttccag gattgccagg 1080 agetetteet ecteeteetg cageagaaga agaageetet gecaactaet teaaettgee 1140 cccaagtggt cctccagctg tggtgaacat tgctctgcca ccgcccctg gcattgctcc 1200 acceccacce ccaggitting ggccacacat gitecaccca atgggaccac cccttetti 1260 catgcgggct ccaggaccaa tccactatcc ttctcaggac cctcagagga tgggagctca 1320 tgctggaaaa cacagcagcc cctagcacct tgtcaccact ctggggctct gtggaagaaa 1380 gggcacttaa aactcccagt aaatcttgga ataaatatat ttttccttcc cttgtagttt 1440 ccatggtagc tgaatgtgct cagatgtgag cagtcagaga ctgacagcca tgctttccta 1500 tacttgttca aaggatcgat ggaccgtaaa taagctgcca ttaacacatc tqqttactqc 1560 tgtaacatga ctaataaaac cgaacgcctg ttccccttac ccgtgtgggg gacacgcaga 1620 tgagtgaatt ggaatgtcca gcagagttac cctcccaatt atatqttcat tttqtatatt 1680 ttttggtcgg gggaaaaatt gacctgcagt aaaaaaacct ttgaccattt ttatgtccat 1740 tggatacttt cctttttatc atcttaaaaa aagataacta gtactaatca ttgtagtggg 1800 cctaagtgtg atttaactct tggaagtcac accctccgaa agatgagtag aaaccaqcac 1860 cagcacagec cagatettet ettteetete etttteetea tttatteeta aaggaatetg 1920 accattttac gtctctacgg cccaaaaaaa gacaaaaata aaaattcctt tttattcctg 1980 tcaactggat ggaaacacaa atttcatgga gctgtgtacc atcgaagaaa cctggtgtct 2040 ggcatgaaat tactgtaaag aacttcctgt aaaacacgtt ctttaacaaa ctgaaatgaa 2100 aagcattgga gcgtctgaat gaaagacgtg acctcctgct gggactctga tggtcttcag 2160 cattcacctt cgtgtgtctt cagtgtctca ttgtcatccc tgcttctgtt tqqtcttaqa 2220 gtgtttggat ataactgaat tgtagatggt aaaggaaatt tqatqtqttt tttqtttta 2280 aataattaaa acgggtcaat ttttcaaaaa aaaaa 2315

<210> 7139 <211> 1646 <212> DNA

```
<213> Homo sapiens
     <220>
     <221> misc feature
     <222> (465)...(1397)
     <223> similar to gi5225326 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7139
tttcgtggca ccccgggggg cggggcgtgg tatactgttt tctggggcgc gagctgcccc
                                                                      60
aggtgageeg tggeteatgt eeggagegeg gtegggaeae agegeeteta ggagaaagee
                                                                     120
tggaaggcgc tccgggggta tccagagctc ttatcgggcc ggcagcatgt gcggggccca
                                                                     180
aggtetteeg ggetetgegt gggggteget geggetggag accagggagg gggatggaaa
                                                                     240
cggggttgga aagtaatccc acccgagcag taaatggaaa tgttttctaa catataaaaa
                                                                     300
cctacagaag aagaaaataa ttttctggat caaattagaa gtctgtatta tattgatgtc
                                                                     360
tccagattca aatatattag aaagcagccg tggagacaac catcttcatt ttgggagaaa
                                                                     420
taactaaagc ccgcctcaag cattagaact acagacaaac cctgatgcga cctctccaga
                                                                     480
ttgtcccaag tcgattgatt tcccagctat attgtggcct gaagcctcca gcgtccacac
                                                                     540
gaaaccagat ttgcctgaaa atggctcggc caagttcaag tatggcagat tttcgaaagt
                                                                     600
tttttgcaaa agcaaagcac atagtcatca tctcaggagc tggtgttagt gcagaaagtg
                                                                     660
gtgttccgac cttcagagga gctggaggtt attggagaaa atggcaagcc caggacctgg
                                                                     720
egacteccet ggeetttgee cacaaccegt eeegggtgtg ggagttetae cactacegge
                                                                     780
gggaggtcat ggggagcaag gagcccaacg ccgggcaccg cgccatagcc gagtgtgaga
                                                                     840
cccggctggg caagcagggc cggcgagtcg tggtcatcac ccagaacatc gatgagctgc
                                                                     900
accgcaaggc tggcaccaag aaccttctgg agatccatgg tagcttattt aaaactcgat
                                                                     960
gtacetettg tggagttgtg getgagaatt acaagagtee aatttgteea getttateag
                                                                    1020
gaaaaggtgc tccagaacct ggaactcaag atgccagcat cccagttgag aaacttcccc
                                                                    1080
ggtgtgaaga ggcaggctgc gggggcttgc tgcgacctca cgtcgtgtgg tttggagaaa
                                                                    1140
acctggatec tgccattctg gaggaggttg acagagaget cgcccactgt gatttatgtc
                                                                    1200
tagtggtggg cactteetet gtggtgtace caqcaqccat qtttqccccc caqqtqqctq
                                                                    1260
ccaggggcgt gccagtggct gaatttaaca cggagaccac cccagctacg aacagattca
                                                                    1320
ggtttcattt ccagggaccc tgtggaacga ctcttcctga agcccttgcc tgtcatgaaa
                                                                    1380
atgaaactgt ttcttaagtg tcctggggaa gaaagaaatt acagtatatc taagaactag
                                                                    1440
gccacacgca gaggagaaat ggtcttatgg gtggtgagct gagtactgaa caatctaaaa
                                                                    1500
atagectetg attecetege tggaatecaa cetqttqata aqtqatqqqq qtttaqaaqt
                                                                    1560
agcaaagagc acccacattc aaaagtcaca gaactqqaaa qqtaattcat attatttqqt
                                                                    1620
ttgaactgaa acgtgaggta tctttg
                                                                    1646
```

```
<210> 7140
<211> 1264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1020)...(518)
<223> similar to gi4929721 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7140
gccaggaatg tgcccaaatt tggactaccc aatctcatgg ctctggggct gggtccatgg
                                                                      60
ctggcagtgg aaatccctga tctgtttcag aagggcgtca tccaacacag ggagaaatgc
                                                                      120
aaccaatgaa gaatccagcc actgaggcag ggcagaggaa gcagctttta ttgatgggtt
                                                                      180
atctccagaa accagaaaga ctatatgtac tcactttcag ttacccccgt gcctccagaa
                                                                      240
tegeatgttg etceacetgg gggeggatat aaattacete tagattgtee aaageeeagt
                                                                      300
ctttcccttc cctgtgcagc cttagaaact aagtagcagt actgtttggt gtgtgtttgt
                                                                      360
ttetteecca geaatgeeta etgeagetae ttagtaacaa etagaggtgg agggtgteeg
                                                                      420
gggaagcagt tagatgagtt aagtgtgatg cacaggaaaa tagtatcgta gcctatcaaa
                                                                      480
ggtccctctg ccctgcctca gtggcttgat tcttcattgg ttgcatttct ctttgtgttg
                                                                      540
gatgacgccc ttctgaatca gatcagggat ttccactgcc agccatggac ccagcccag
                                                                      600
agccatgaga tgagctagtc caaatttggg cacattcctg gcccacaaag gtttgaaatg
                                                                      660
atccgtcagg catattttgc cacccctgta catctttgct gtctttccat ccagctcagg
                                                                      720
aactgcaatt tctggggcag tagtaggata tgtgatagga atgtcaaact cgatgtcaaa
                                                                      780
ctcatatttc aggaggtcat ggatatacca gcattttcca aaccaccgag ttccttcctt
                                                                      840
gttggactcc agtcggaacc aatcgttgtc agcattcttg ttgttctcca cataccggat
                                                                      900
aagggactga tatteeteet teagtegetg caeceacaac teacgatete ggggteegge
                                                                      960
gttagtcttc agcaceggga teteagacae aacaegtege gtggetteat eegecatett
                                                                     1020
ggaccagggc gcaagagaaa cgcggaagtg gtgttgcctg tagcttacct caaggcgccg
                                                                     1080
tcatctttac tatgggaaga tgagacgttg ggttgctgta agacctcttt tgaataagat
                                                                     1140
ctttgttttc ttgtcaccta gttacccgct tgtgagtgca tcgagaagaa cagaatgtaa
                                                                     1200
acagattact ccgtcctata tatgacacct atcattaaaa tcaccgcata aggcaaaaaa
                                                                     1260
                                                                     1264
```

```
<210> 7141
<211> 975
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (916)...(187)
<223> similar to gi5138918 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7141
ttttttttt tttatatttg aaattttaag gtcagtttat taagttcaat gatgaaagct
                                                                      60
atcagaagaa tattctcctg aaaataattt tttcttagaa aaaaagaaag gaaaatcata
                                                                      120
accetetgag catagecaca gatgetgtgg cagteaagee tetetgeaga tggggacagt
                                                                     180
ccattagtca gctgagtcac tctctgggtc agcaggatta tagtctggat catcttcatc
                                                                     240
atcetecage tecaagteat ceatttettg gaacaaagae teatetacet ceaegttqtt
                                                                     300
tecageatee tecaagaact ggatateaga tgtgteaaga ttatgatetg ttteaaatag
                                                                     360
ttgtttccca cttaatttat tttttcctgc ttgttcttct tctttcatcc ttttctttt
                                                                     420
aatttccaag agttctgcat caaacttggc tttccaattt aagaaattct caattgtaac
                                                                     480
tggagtacca tggaataatt gcttttcagc ttcttctgct tctttttctt tttgtttctt
                                                                     540
ttettettet ettetagttt ttatetgate taetatttea tttaattttt ettgeacage
                                                                     600
tgtcactaga gtaaaaatca tcaccatacc aagattttct tcagcctgta atgctagtaa
                                                                     660
ttttaaaatg tetgagacat eattatette tagattttee tgggagaata ttteataaag
                                                                     720
```

```
gggagettea tetgggtatt ttteaetgta tgtaaacttg agggtagtet ggacagttte 780 ateattttet ceageeteag aegteaeagt aatggtgaag etgggtggat tttetgataa 840 taetgtgaag gagteagggt agatggaete eagggeetee agetegttge getgeteete 900 geegtaatet gteategtgg eeettgetet tgeeeataga tegeeeagae aeetaggegg 960 eggegeageag eeeag
```

```
<210> 7142
<211> 1296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (410)...(836)
<223> similar to gi5912212 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7142
caagactgtc cgcatctggg tacccaatgt caaaggtgag tccactgtgt ttcgtgcaca
                                                                      60
cacagocaca gtgaggagtg tocacttotg cagtgatggc cagtcottog tgacagoote
                                                                     120
tgacgacaag acagtcaaag tgtgggcaac tcatcgccag aaattcctgt tctccctgag
                                                                     180
ccagcatate aactgggtee getgtgeeaa gtteteeece gaegggegge teategtgte
                                                                     240
tgccagtgat gacaagactg ttaagctgtg ggacaagagc agccgggaat gtqtccactc
                                                                     300
gtattgtgag catggcggct ttgtcaccta tgtggacttc caccccagtg ggacgtgcat
                                                                     360
tgccgctgcc ggcatggaca acacagtgaa ggtgtgggac gtgcggactc accggctgct
                                                                     420
gcagcattat cagttgcaca gtgcagcagt gaacgggctc tctttccacc cgtcgggaaa
                                                                     480
ctacctgatc acagceteca gtgacteaac cetgaagate etggacetga tggagggeeg
                                                                     540
gctgctctac acactccacg ggcatcaggg accagccacc actgttgcct tttcaagaac
                                                                     600
gggggagtat tttgcttctg gaggctctga tgaacaagtg atggtttgga agagtaactt
                                                                     660
tgatattggt gatcatggag aagtcacgaa agtgccgagg cccccagcca cactgqccaq
                                                                     720
ctccatgggg aatctgacag tctccattct ggagcagcgg ttgacactgg aagaagacaa
                                                                     780
gctgaagcag tgtctggaga accagcagct aatcatgcag agaqcaacac catgatcagg
                                                                     840
ggagcaggaa tcaggagctc gqtggatttq caqqtqqcaq qccaqqqatt tqtaccatqq
                                                                     900
gacttgggta aataaagggg actgaactct gtgggaatca catccatact ggagccctgg
                                                                     960
attittgcag tictgccctc caccitgcta totgcaccag gaggetetec acciggcage
                                                                    1020
cagaggtece ccagtgggee gggeteacae acaaatgatg etteagaeee qaatgagagg
                                                                    1080
accacatttt gettaatgta aaggageeae ttgaaaatgt etgeteette ggggteetga
                                                                    1140
gattgtggct ccccctctgg aggaggtggc tccacgatgc cttgattttc actcatcatt
                                                                    1200
tggacatgtg actggctttt cctacctctg ccatggtgta gaaattgatt gcacaggaat
                                                                    1260
ctcaaaatta aacctgaatt caatgcaaaa aaaaaa
                                                                    1296
```

```
<210> 7143
<211> 1356
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (618)...(687)
<223> similar to gi554015 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 7143 tttttttttt ttccaaatca gataatagcc cagcaaatag tgataacaaa taaaacctta 60 gctgttcatg tcttgatttc aataattaat tcttaatcat taagagacca taataaatac 120 teetttteaa gagaaaagea aaaceattag aattgttaet cageteette aaacteaggt 180 ttgtagcata catgagtcca tccatcagtc aaagaatggt tccatctgga gtcttaatgt 240 agaaagaaaa atggagactt gtaataatga gctagttaca aagtgcttgt tcattaaaat 300 agcactgaaa attgaaacat gaattaactg ataatattcc aatcatttgc catttatgac 360 aaaaatggtt ggcactaaca aagaacgagc acttcctttc agagtttctg agataatgta 420 cgtggaacag tctgggtgga atggggctqa aaccatqtqc aaqtctqtqt cttqtcaqtc 480 caagaagtga caccgagatg ttaattttag qqacccqtqc cttqtttcct aqcccacaaq 540 aatgcaaaca tcaaacagat actcgctagc ctcatttaaa ttgattaaag gaggagtgca 600 660 gtatgtgtgt tttgtgcata actatttaag gaaactggaa ttttaaagtt acttttatac 720 aaaccaagaa tatatgctac agatataaga cagacatggt ttggtcctat atttctagtc 780 atgatgaatg tattttgtat accatcttca tataatatac ttaaaaatat ttcttaattg 840 ggatttgtaa tcgtaccaac ttaattgata aacttggcaa ctgcttttat gttctgtctc 900 cttccataaa tttttcaaaa tactaattca acaaagaaaa agctcttttt tttcctaaaa 960 taaactcaaa tttatccttg tttagagcag agaaaaatta agaaaaactt tgaaatggtc 1020 tcaaaaaatt gctaaatatt ttcaatggaa aactaaatgt tagtttagct gattgtatgg 1080 ggttttcgaa cctttcactt tttgtttgtt ttacctattt cacaactqtq taaattqcca 1140 ataattcctg tccatgaaaa tgcaaattat ccagtgtaga tatatttgac catcgaccct 1200 atggatattg gctagttttg cctttattaa gcaaattcat ttcagcatga atgtctgcct 1260 atatattete tgetetttgt atteteettt gaaceegtta aaacateetg tggeactett 1320 atttattaat cagttaaata aaatcatgaa catata 1356

```
<210> 7144
<211> 1764
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (125)...(893)
<223> similar to gi3878117 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7144
atccgcttcg ccggaacaat cctgtgagtt tatgatatct gctatacaga tgaggataac 60
agaagttgac taacttgcc aagtcacaag tttgtaaaga tggatctggg atttaaaccc agtgagtgat ggattggaac tgagaccgaa atataatgga attttacatt gcttgactac 180
catttggaaa cttgatggac tacggggact ttatcaagga gtaaccccaa atatatgggg 240
```

```
300
tgcaggttta tcctggggac tctactttgt tttttacaat gccatcaagt catataaaac
                                                                      360
agaaggaaga gctgaacgtt tagaggcaac agaatacctt gtctcagctg ctgaagctgg
                                                                      420
agecatgace etetgeatta caaacecatt atgggtaaca aaaactegee ttatgttaca
                                                                      480
gtatgatgct gttgttaact ccccacaccg acaatataaa ggaatgtttg atacacttgt
                                                                      540
gaaaatatat aagtatgaag gtgtgcgtgg attatataag ggatttgttc ctgggctgtt
tqqaacatcq catqqtgccc ttcaqtttat ggcatatqaa ttgctgaaqt tgaagtacaa
                                                                      600
ccagcatatc aatagattac cagaagccca gttgagcaca gtagaatata tatctgttgc
                                                                      660
                                                                      720
agcactatcc aaaatatttg ctgtcgcagc aacataccca tatcaagtcg taagagctcg
                                                                      780
tetteaggat caacacatgt tttacagtgg tgtaatagat gtaatcacaa agacatggag
gaaagaaggc gtcggtggat tttacaaggg aattgctcct aatttgatta gagtgactcc
                                                                      840
                                                                      900
agcctgctgt attacctttg tggtatatga aaacgtctca cattttttac ttgaccttag
agaaaagaga aagtaagctc aaagaggaca attccagtat atctgcccaa ggcagcaaca
                                                                      960
agetettttg tgtttaagge ataaaagaag aattetgeat agaaacatgg eteatatteg
                                                                     1020
aaattgetet atagteatta gaageeagag aactgetaag teteetgeaa tgtttttetg
                                                                     1080
ctttttgcct tccccatata tatggaactt ggctacctct gcctgaaatg gctgccatca
                                                                     1140
acacaatgtt aaaactgaca cgaaggatag agtttcacag atttctacgt tttattggtg
                                                                     1200
gaagetgatt tgcaacattt gctaaatgga ttagatgaat gtacttettt ttgtgagett
                                                                     1260
acttgcctgg attgctttaa aattaacctt tgtgcaatac caagaaaata gctctttaaa
                                                                     1320
agaatgtctt tgtatgtctc aaggtaaatt aaggatttac tgaataaggt gttgaccaaa
                                                                     1380
tecagaeeat tttattttat ttttttattt atttatttt tgagatggag tettgetttg
                                                                     1440
tegeceagge tggagtgeag tggegtgate teageteact geaaceteca ceteeegggt
                                                                     1500
tcacgccatt ctcctgcctc agcctcctga gtagctggga ctacaggcac ctgccaccac
                                                                     1560
gcctggctaa cttttttta tattttgagt agaaatgggg tttcaccatg ttagccagga
                                                                     1620
tgggctcaat ctcctgacct tgtgatccgc ctgccttggc ctcccaaagt gctgggatta
                                                                     1680
caggcgtgag ccactgcgcc tggccagacc attttagaat tgggaaattg tagtgagaaa
                                                                     1740
aaatgcactg taaatatgct ttat
                                                                     1764
```

```
<210> 7145
<211> 2334
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (251)...(1268)
<223> similar to gi3191974 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7145
tttcgttgcc gggccagccc gaacagcagc tgggtcggca agcgacagga gcacgggtca
                                                                       60
tetttteece agaggegteg gaatggaeet gtgeeaeeea gageeegegg agetgageag
                                                                      120
cggggagacg gaagagttac agaggatcaa gtggcaccga aagcagctcc tggaggacat
                                                                      180
ccagaagctg aaggatgaga ttgcagatgt gtttgcccaa atcgactgct tcgagagtgc
                                                                      240
ggaggagagc cggatggccc agaaggagaa ggagctgtgt attgggcgca agaagttcaa
                                                                      300
catggacccc gccaagggta tccagtattt cattgagcac aagctgctga cccctgacgt
                                                                      360
ccaggacatt gcacggttcc tgtataaagg cgagggcctc aacaagacag ccattggtac
                                                                      420
ctacctgggg gagagggatc ccatcaacct gcaggtcctc caggccttcg tggactgcca
                                                                      480
egagttegee aaceteaace tegteeagge ceteaggeag tteetgtgga getteegget
                                                                      540
gccgggcgag gcccagaaga tagaccggat gatggaggcc tttgccactc gatactgcct
                                                                      600
ctgcaaccca ggcgtcttcc agtccacaga cacctgctac gtgttgtcct tctccatcat
                                                                      660
```

```
catgctcaac accagcctcc acaatcccaa cgtccgggac aggccgcctt tcgagcgctt
                                                                      720
tgtgtccatg aaccgcggca tcaacaatgg tagcgacctg cccgaggacc agctgcggaa
                                                                      780
                                                                      840
cetettegae ageateaaga gtgageeatt etceateeet gaggaegaeg geaatgaeet
                                                                     900
cactcacacc ttcttcaatc cagaccggga gggttggctg ctcaagctag ggggccgcgt
gaagacgtgg aaacggcgct ggttcatcct gaccgacaac tgcctctact acttcgagtt
                                                                     960
caccactgac aaggagccac ggggaattat acctcttgag aacctctcgg tgcagaaggt
                                                                    1020
                                                                    1080
ggatgacccc aagaagccat tetgeetgga getetacaac cetagetgee gaggecagaa
aatcaaggcc tgcaagaccg atggcgacgg cagggtggtg gagggcaagc acgaatcgta
                                                                     1140
cegcatetea gecaceagtg cegaggaaeg tgaceagtgg ategagteea teegageeag
                                                                    1200
catcacccgt gtccccttct acgacctggt ctctactcgg aagaagaaga ttgccagcaa
                                                                    1260
geagtgagat teetggaggt ggeactgggg getggteace etgagagtee categeetge
                                                                     1320
agcacctgga gacccacctc ccaccccagt gcactctttt gggccacaga catcattgct
                                                                    1380
gttccccgtt acctcgagct gactctagag gggaaggcag agctcaggag ggtgggtggg
                                                                    1440
agetgeagtg ggeteagagt ceageaatga ggeeeeetgg eetgggeaee eagetgeagg
                                                                    1500
cccctgccct acgtgcacta caggaagggg tgaggagagc agccagagga aaaccagccc
                                                                    1560
cagaatgctg caacttctct tctctetgga cttcggtgtc ctcggctctg aaggcgctct
                                                                    1620
ctgcacttag atgctgtcag ccctcaacgt aggagggcc gtggggtccc taagtgattc
                                                                     1680
ttctccctgg caaggetett cettttcagg atatetetge caaccettee cetgteeteg
                                                                    1740
ggttgggctt ggccctctct gcctgagaga gctcagcaca cacacagctc agacccacgg
                                                                    1800
acaggacece gggacagaac eeegggagea etgeeetagg ageetggace ecaegagete
                                                                    1860
agtoccagot otgoctotga otogotgtgt accototgoc aagtoatgoc cattototag
                                                                    1920
ttettgeaaa actgeagtgt tttggaetag aaaacgtatt tggeeeetge tageeetgtg
                                                                    1980
ctccagcttg gagggggaga tggcagccgt tatttgcggc gccaggctqa ctccqqattc
                                                                    2040
aacgttgctg gggagagaaa agcagtatag actccacctt ccaggatgtc catttcgggg
                                                                    2100
agaggagcag gtgggaccct caagaaaatg acggagaaca tcccagacag atgggactca
                                                                    2160
agcaggatgg gtgctatatc caagaagcca agaagggaga gtttcgtgca ctgtggttaa
                                                                    2220
caggagggcc gcctggaggc agtggctgag ccagaaagta acacagagct catgcttgga
                                                                    2280
gagatagagt cttggccatg gctttcctgc aagaccactg acgagcagtc ccat
                                                                    2334
```

```
<210> 7146
<211> 2309
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (96)...(1679)
<223> similar to gi1228085 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7146
ctggaccgat ccgcaattcc aggatcgacg atttcgtggg tggagaccca cgagccgagg
                                                                       60
cctcctgcag tgttctgcac agcaaaccgc acgctatggc tgacagccgg gatcccgcca
                                                                      120
gcgaccagat gcagcactgg aaggagcagc gggccgcgca gaaagctgat gtcctgacca
                                                                      180
ctggagctgg taacccagta ggagacaaac ttaatgttat tacagtaggg ccccgtgggc
                                                                      240
cccttcttgt tcaggatgtg gttttcactg atgaaatggc tcattttgac cgagagagaa
                                                                      300
ttcctgagag agttgtgcat gctaaaggag caggggcctt tggctacttt gaggtcacac
                                                                      360
atgacattac caaatactcc aaggcaaagg tatttgagca tattggaaag aagactccca
                                                                      420
tegeagtteg gtteteeact gttgetggag aategggtte agetgaeaca gttegggaee
                                                                      480
ctcgtgggtt tgcagtgaaa ttttacacag aagatggtaa ctgggatctc gttggaaata
                                                                      540
```

```
600
acacccccat tttcttcatc agggatccca tattgtttcc atcttttatc cacagccaaa
                                                                     660
agagaaatcc tcagacacat ctgaaggatc cggacatggt ctgggacttc tggagcctac
gtcctgagtc tctgcatcag gtttctttct tgttcagtga tcgggggatt ccagatggac
                                                                     720
                                                                      780
ategecacat gaatggatat ggateacata ettteaaget ggttaatgea aatggggagg
                                                                      840
caqtttattg caaattccat tataagactg accagggcat caaaaacctt tctgttgaag
                                                                     900
atgcggcgag actttcccag gaagatcctg actatggcat ccgggatctt tttaacgcca
                                                                     960
ttqccacagg aaagtacccc tcctggactt tttacatcca ggtcatgaca tttaatcagg
cagaaacttt tccatttaat ccattcgatc tcaccaaggt ttggcctcac aaggactacc
                                                                     1020
ctctcatccc agttggtaaa ctggtcttaa accggaatcc agttaattac tttgctgagg
                                                                     1080
ttgaacagat agcettegae ccaagcaaca tgccacetgg cattgaggee agteetgaca
                                                                     1140
aaatgettea gggeegeett tttgeetate etgacaetea eegeeatege etgggaceea
                                                                     1200
attatettea tatacetgtg aactgteect accgtgeteg agtggeeaac taccagegtg
                                                                    1260
acggcccgat gtgcatgcag gacaatcagg gtggtgctcc aaattactac cccaacagct
                                                                     1320
ttggtgctcc ggaacaacag ccttctgcct tggagcacag catccaatat tctggagaag
                                                                     1380
tgcggagatt caacactgcc aatgatgata acgttactca ggtgcgggca ttctatgtga
                                                                     1440
acgtgctgaa tgaggaacag aggaaacgtc tgtgtgagaa cattgccggc cacctgaagg
                                                                     1500
atgcacaaat tttcatccag aagaaagcgg tcaagaactt cactgaggtc caccctgact
                                                                     1560
acgggagcca catccaggct cttctggaca agtacaatgc tgagaagcct aagaatgcga
                                                                     1620
ttcacacctt tgtgcagtcc ggatctcact tggcggcaag ggagaaggca aatctgtgag
                                                                     1680
geoggggeec tgeacetgtg cagegaaget tagegtteat cegtgtaace egeteateac
                                                                     1740
tggatgaaga ttctcctgtg ctagatgtgc aaatgcaagc tagtggcttc aaaatagaga
                                                                     1800
atcccacttt ctatagcaga ttgtgtaaca attttaatgc tatttcccca ggggaaaatg
                                                                     1860
aaggttagga tttaacagtc atttaaaaaa aaaatttgtt ttgacggatg attggattat
                                                                     1920
tcatttaaaa tgattagaag gcaagtttct agctagaaat atgattttat ttgacaaaat
                                                                    1980
ttgttgaaat tatgtatgtt tacatatcac ctcatggcct attatattaa aatatggcta
                                                                    2040
taaatatata aaaagaaaag ataaagatga totactcaga aatttttatt tttctaaggt
                                                                    2100
totcatagga aaagtacatt taatacagca gtgtcatcag aagataactt gagcaccgtc
                                                                    2160
atggettaat gtttatteet gataataatt gateaaatte attttttea etggagttae
                                                                     2220
attaatgtta attcagcact gatttcacaa cagatcaatt tgtaattgct tacattttta
                                                                     2280
caataaataa tctgtacgta aaaaaaaa
                                                                    2309
```

```
<210> 7147
<211> 2694
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (70)...(1048)
<223> similar to gi431857 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7147

ccctaggaca cctttctaaa aagactccct gtggtgttca gaatcactcc tacagtcagg 60
ttctccacaa tggatctcag tgctgcaagt caccgcatac ctctaagtga tggaaacagc 120
attcccatca tcggacttgg tacctactca gaacctaaat cgacccctaa gggagcctgt 180
gcaacatcgg tgaaggttgc tattgacaca gggtaccgac atattgatgg ggcctacatc 240
taccaaaatg aacacgaagt tggggaggcc atcagggaga agatagcaga aggaaaggtg 300
cggagggaag atatcttcta ctgtggaaag ctatgggcta caaatcatgt cccagagatg 360
gtccgccaa ccctggagag gacactcagg gtcctccagc tagattatgt ggatctttac 420
```

```
atcattgaag tacccatggc ctttaagcca ggagatgaaa tataccctag agatgagaat
                                                                      480
qqcaaatggt tatatcacaa gtcaaatctq tgtgccactt ggqaqqcqat qqaaqcttgc
                                                                      540
aaagacgctg gcttggtgaa atccctggga gtgtccaatt ttaaccgcag gcagctggag
                                                                      600
ctcatcctga acaagccagg actcaaacac aagccagtca gcaaccaggt tgagtgccat
                                                                      660
ccgtatttca cccagccaaa actcttgaaa ttttgccaac aacatgacat tgtcattact
                                                                      720
gcatatagcc ctttggggac cagtaggaat ccaatctggg tgaatgtttc ttctccacct
                                                                      780
ttgttaaagg atgcacttct aaactcattg gggaaaaggt acaataagac agcagctcaa
                                                                      840
attqttttqc qtttcaacat ccaqcqaqqq qtqqttqtca ttcctaaaaq ctttaatctt
                                                                      900
qaaaqqatca aaqaaaattt tcaqatcttt qacttttctc tcactqaaqa aqaaatqaaq
                                                                      960
gacattgaag cottgaataa aaatgtoogo tttgtagaat tgotcatgtg gogogatcat
                                                                     1020
cctgaatacc catttcatga tgaatactga ctgccqqqaq ttcctqaaca qatttttcac
                                                                     1080
tcccatgagt gccaagacgg tgcaatgggt agtcccctag atgtgaaaat gaagagagag
                                                                     1140
ggttttacca tcctgagaag aaataatgat ggaaacatgt ttaatgtttg tgcagtgtaa
                                                                     1200
atgactttga ctcagtcaca ttgaagtaaa aatattaaaa tctgttgaaa taactcttag
                                                                     1260
gaaattatca actaattttt tcagatcagt atcttctaga ttccagacag aaaaaaatta
                                                                     1320
cacttcagaa aagacatcaa aggcaacata tgacaacaag taatttatga atctgggtag
                                                                     1380
tagcgttggt aatctgagtt ctttaagggt taacaggaca acgaagtgca tgtggcagtg
                                                                     1440
tgctggcagt ggccttgagg ctttggacca ttggttacaa aacagacaca gccaagataa
                                                                     1500
gatccacaca cacattatta acaaggaagt gatttgctgc accttgagtt gagagggcta
                                                                     1560
catgtagaaa agtcttaaaa tagagctaaa caccacagtg gtcaacaaag ccatcataat
                                                                     1620
gttggtgttt gtttccctcc aatqtatqta tqtttaqttt ttatccaacc tqaqqaatqa
                                                                     1680
aaacttaact ggatetetet tgeateetta aagggeetga gteteaacat ggetgetgat
                                                                     1740
ccatacttac acatcttact gtcaatcttg cctacattga ttataqaacc actattacqt
                                                                     1800
gaaaaggctt gaaacaacca acatatacaa ataaaaccct gccttgtaaa atagtaaaag
                                                                     1860
agaagccata tattggcttt tcttcttaac ttgggagata tattgaaaca aggtgcttta
                                                                     1920
taagattatt gtacttaaga ctttaatagt gttacttgga tagcttatat gaattttgag
                                                                     1980
aattttatat gaattttgag aaagcaagtt caaaagaact ctggtaattt tcctgtatgt
                                                                     2040
acaatttaaa gagtgaataa gattattaga attcagcaat agagatatat ctattttcaa
                                                                     2100
ttcaactaca gaaatatatt ttattggccg ggtgcggtgg ctcatgccta taatcccagc
                                                                     2160
actitgggag gccaaggtgg gcagatcagg aggtcaggag atcgagacca tcttggctaa
                                                                     2220
caaggtgaaa ccccgtctct actaaaaata caaaaaatta gccaggcgcg gtggcggggg
                                                                     2280
cctgtaatcc cagctactca ggaggctgag gcagaagaat ggcatgaacc cgggaggagg
                                                                    2340
agettgeagt gageegagat agegeeactg eagteeggee tgggtgaaag agegagaete
                                                                     2400
cgtctcaaaa acaaaaaaa aaaagaaaag aaatatattt tattcattca cattaggtca
                                                                    2460
ctgtcatact gtcataggct gagagagttc ttcaaaaatt atqttttccc aaqatcaqtt
                                                                    2520
gcttatagat aatgttcaat gacctcaaga catatatttt tgagaaatta tcattttaaa
                                                                     2580
aaatttggtc tatactgatt gttttcactg attccaatat tattacttat aacactgacc
                                                                     2640
tctggaaaat attttgttca caagaaataa taaagtataa tgatttgttg catc
                                                                    2694
```

```
<210> 7148
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (71)...(538)
<223> similar to gi31725 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7148
qqcacqaqqq aacqtctgaq qttatcaata aqctcctaqt ccaqacqcca tqqqtcattt
                                                                       60
cacagaggag gacaaggcta ctatcacaag cctgtggggc aaggtgaatg tggaagatgc
                                                                      120
tggaggagaa accctgggaa ggctcctggt tgtctaccca tggacccaga ggttctttga
                                                                      180
cagetttgge aacetgteet etgeetetge cateatggge aaceceaaag teaaggeaca
                                                                      240
tggcaagaag gtgctgactt ccttgggaga tgccataaag cacctggatg atctcaaggg
                                                                      300
cacctttgcc cagetgagtg aactgcactg tgacaagetg catgtggate etgagaactt
                                                                      360
caageteetg ggaaatgtge tggtgaeegt tttggcaate cattteggea aagaatteae
                                                                      420
ccctgaggtg caggcttcct ggcagaagat ggcagaagat ggtgactgga gtggccagtg
                                                                      480
ccctgtcctc cagataccac tgagctcact gcccatgatg cagagctttc aaggataggc
                                                                      540
tttattctgc aagcaatcaa ataataaatc tattctgcta agagatcaca aaaaaaaaa
                                                                      599
     <210> 7149
     <211> 717
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (144)...(462)
     <223> similar to gi4886451 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7149
tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc
                                                                       60
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaaggggc ttccqccacg
                                                                      120
gccgtctctg gagagcagca gccatggccc tacgctaccc tatggccgtg ggcctcaaca
                                                                      180
agggccacaa agtgaccaag aacgtgagca agcccaggca cagccgacgc cgcgggcgtc
                                                                      240
tgaccaaaca caccaagttc gtgcgggaca tgattcggga ggtgtgtggc tttgccccgt
                                                                      300
acgageggeg egecatggag ttactgaagg tetecaagga caaaegggee etcaaattta
                                                                      360
tcaagaaaag ggtggggacg cacatccgcg ccaagaggaa gcgggaggag ctgagcaacg
                                                                      420
tactggccgc catgaggaaa gctgctgcca agaaagactg agcccctccc ctqccctctc
                                                                      480
cctgaaataa agaacagctt gacagaagcc ctggctctcc tgctgtccgt gggtgggtgt
                                                                      540
gggtgtgtcg ggggcccgca gtcccctgtc tggtgcccgc tttgagccac accctctccq
                                                                      600
ggtgctgcct ggtcgtgaat caaaagccgt ggcccgccca cccttcccgg ggcagcaggt
                                                                      660
gaggaagccg ccgtactgca aatgacttta atcattaaat agcttatatq ccccaaa
                                                                      717
     <210> 7150
     <211> 2193
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (121)...(1417)
     <223> similar to gi178279 in the genepept database release 114,
```

```
<400> 7150
gaagatattt aaaggcgtcg gcgccacgcg catatccctg ctcggcgctg cccgcccagt
                                                                       60
tectgttece agactgagge ceageceet tegeceqttt ceateacqaq tqccqccaqe
                                                                      120
atgtctgaca aactgcccta caaagtcgcc gacatcggcc tggctgcctg gggacgcaag
                                                                      180
gccctggaca ttgctgagaa cgagatgccg ggcctgatgc gtatgcggga gcggtactcg
                                                                      240
gcctccaagc cactgaaggg cgcccgcatc gctggctgcc tgcacatgac cgtggagacg
                                                                      300
gccgtcctca ttgagaccct cgtcaccctg ggtgctgagg tgcagtggtc cagctgcaac
                                                                      360
atcttctcca cccaggacca tgcggcggct gccattgcca aggctggcat tccggtgtat
                                                                      420
gcctggaagg gcgaaacgga cgaggagtac ctgtggtgca ttgagcagac cctgtacttc
                                                                      480
aaggacgggc ccctcaacat gattctggac gacgggggcg acctcaccaa cctcatccac
                                                                      540
accaagtacc cgcagcttct gccaggcatc cgaggcatct ctgaggagac cacgactggg
                                                                      600
gtccacaacc tctacaagat gatggccaat gggatcctca aggtgcctgc catcaatgtc
                                                                      660
aatgactccg tcaccaagag caagtttgac aacctctatg gctgccggga gtccctcata
                                                                      720
gatggcatca agcgggccac agatgtgatg attgccggca aggtagcggt ggtagcaggc
                                                                      780
tatggtgatg tgggcaaggg ctgtgcccag gccctgcggg gtttcggagc ccgcgtcatc
                                                                      840
atcaccgaga ttgaccccat caacgcactg caggctgcca tggagggcta tgaggtgacc
                                                                      900
accatggatg aggectgtca ggagggcaac atctttgtca ccaccacagg ctgtattgac
                                                                      960
atcatccttg gccggcactt tgagcagatg aaggatgatg ccattgtgtg taacattgga
                                                                     1020
cactttgacg tggagatcga tgtcaagtgg ctcaacgaga acgccgtgga gaaggtgaac
                                                                     1080
atcaagccgc aggtggaccg gtatcggttg aagaatgggc gccgcatcat cctgctggcc
                                                                     1140
gagggtcggc tggtcaacct gggttgtgcc atgggccacc ccagcttcgt gatgagtaac
                                                                     1200
teetteacea accaggtgat ggegeagate gagetgtgga eccatecaga caagtacee
                                                                     1260
gttggggttc atttcctgcc caagaagctg gatgaggcag tggctgaagc ccacctgggc
                                                                     1320
aagctgaatg tgaagttgac caagctaact gagaagcaag cccagtacct gggcatgtcc
                                                                     1380
tgtgatggcc ccttcaagcc ggatcactac cgctactgag agccaggtct gcgtttcacc
                                                                     1440
etecagetge tgteettgee caggeeceae etetecteee taagagetaa tggeaecaae
                                                                     1500
tttgtgattg gtttgtcagt gtcccccatc gactctctgg ggctgatcac ttagtttttg
                                                                     1560
gestetgetg cageegteat actgttecaa atgtggeage gggaacagag taccetette
                                                                     1620
aagccccggt catgatggag gtcccagcca cagggaacca tgagctcagt ggtcttggaa
                                                                     1680
cagctcacta agtcagtcct tccttagcct ggaagtcagt agtggagtca caaagcccat
                                                                     1740
gtgttttgcc atctaggcct tcacctggtc tgtggactta tacctgtgtg cttggtttac
                                                                     1800
aggtccagtg gttcttcagc ccatgacaga tgagaagggg ctatattgaa gggcaaagag
                                                                     1860
gaactgttgt ttgaattttc ctgagagcct ggcttagtgc tgggccttct cttaaacctc
                                                                     1920
attacaatga ggttagtact tttagtccct gttttacagg ggttagaata gactgttaag
                                                                     1980
gggcaactga gaaagaacag agaagtgaca gctaggggtt gagaggggcc agaaaaacat
                                                                     2040
gaatgcaggc agatttcgtg aaatctgcca ccactttata accagatggt tcctttcaca
                                                                     2100
accetgggte aaaaagagaa taatttggee tataatgtta aaagaaagea ggaaggtggg
                                                                     2160
taaataaaaa tottggtgcc tggaaaaaaa aaa
                                                                     2193
```

```
<210> 7151
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (194)...(136)
<223> similar to gi1072242 in the genepept database release 114,
```

Run with FASTXY 3.3t00, default parameters

```
<400> 7151
tgtgattctt atggcatctg ccttctcaag cccttagtca ttaattattt actctcatat
                                                                    60
ctctcaatqc atqcaqttta qtqcctaqca ctaaqtqatq qtttqtqtqc atqqttqqcc
                                                                   120
180
atccctccct ccctccctcc aaatcattca tcaaataagg gaaccttccc caaaggtccc
                                                                   240
agetgttete teteccette ttataggeta taactgggta acatgcetag cecagateat
                                                                   300
tcactcccag gcacagcaaa caattagctt agactagcca ggattggtt
                                                                   349
    <210> 7152
    <211> 682
    <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc feature
    <222> (97)...(539)
    <223> similar to gi455997 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
    <400> 7152
ccactgaage geteagatgg etgtaacgae ggeegaeeea egeqteegee caegeqtqqq
                                                                    60
cacaactgtg ttcactagca acctcaaaca gacaccatgg tgcacctgac tcctqaqqaq
                                                                   120
aagtetgeeg ttaetgeect gtggggeaag gtgaacgtgg atgaagttgg tggtgaggee
                                                                   180
ctgggcaggc tgctggtggt ctaccettqq acccaqaqqt tetttqaqtc etttqqqqat
                                                                   240
ctgtccactc ctgatgctgt tatgggcaac cctaaggtga aggctcatgg caagaaagtg
                                                                   300
ctcggtgcct ttagtgatgg cctggctcac ctggacaacc tcaagggcac ctttqccaca
                                                                   360
ctgagtgagc tgcactgtga caagctgcac gtggatcctg agaacttcaq qctcctqqqc
                                                                   420
aacgtgctgg tctgtgtgct ggcccatcac tttqgcaaaq aattcacccc accaqtqcaq
                                                                   480
getgeetate agaaagtggt ggetggtgtg getaatgeee tggeecacaa gtateactaa
                                                                   540
gctcgctttc ttgctgtcca atttctatta aaggttcctt tgttccctaa gtccaactac
                                                                   600
taaactgggg gatattatga agggccttga gcatctggat tctgcctaat aaaaaacatt
                                                                   660
tattttcatt gcaaaaaaaa aa
                                                                   682
    <210> 7153
    <211> 1393
    <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc feature
    <222> (184)...(791)
```

<223> similar to gi953239 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 7153
ctatttttga gaagctgaag caactccaag gacacagttc acagaaattt ggttctcagc
                                                                       60
cccaaaatac tgattgaatt ggagacaatt acaaggactc tctggccaaa aacccttgaa
                                                                      120
gaggccccgt gaaggaggca gtgaggagct tttgattgct gacctgtgtc gtaccacccc
                                                                      180
agaatgtgca ctgggggctg tgccagatgc ctggggggga ccctcattcc ccttgctttt
                                                                      240
tttggcttcc tggctaacat cctgttattt tttcctggag gaaaagtgat agatgacaac
                                                                      300
gaccaccttt cccaagagat ctggtttttc ggaggaatat taggaagcgg tgtcttgatg
                                                                      360
atcttccctg cgctggtgtt cttgggcctg aagaacaatg actgctgtgg gtgctgcggc
                                                                      420
aacgagggct gcgggaagcg atttgcgatg ttcacctcca cgatatttgc tgtgqttqqa
                                                                      480
ttcttgggag ctggatactc gtttatcatc tcagccattt caatcaacaa gggtcctaaa
                                                                      540
tgcctcatgg ccaatagtac atggggctac cccttccacg acggggatta tctcaatgat
                                                                      600
gaggcettat ggaacaagtg ccgagageet etcaatgtgg tteeetggaa tetgaeeete
                                                                      660
ttetecatee tgetggtegt aggaggaate cagatggtte tetgegeeat ceaggtggte
                                                                      720
aatggcctcc tgggggaccct ctgtggggac tgccagtgtt gtggctgctg tgggggagat
                                                                      780
ggacccgttt aaacctccga gatgagctgc tcagactcta cagcatgacg actacaattt
                                                                      840
cttttcataa aacttcttct cttcttggaa ttattaattc ctatctgctt cctagctgat
                                                                      900
aaagcttaga aaaggcaggt tattcccttc ctttcccaac ccaqctttqc ctcqaqttac
                                                                      960
gaattttgtt attttcaaat aaaaaatagt ttggccactt aacaaatttq atttataaat
                                                                     1020
ctttcaaatt agttcctttt tagaatttac caacaggttc aaagcatact tttcatgatt
                                                                     1080
tttttattac aaatgtaaaa tgtataaagt cacatgtact gccatactac ttctttgtat
                                                                     1140
ataaagatgt ttatatcttt ggaagtttta cataaatcaa aggaagaaag cacatttaaa
                                                                     1200
atgagaaact aagaccaatt tetgttttta agaggaaaaa gaatgattga tqtateetaa
                                                                     1260
gtattgttat ttgttgtctt tttttgctgc cttgcttgag ttgcttgtga ctgatctttt
                                                                     1320
gaggetgtca teatggetag ggttetttta tgtatgttaa attaaaacet gaatteagag
                                                                     1380
gtaacgtaaa aaa
                                                                     1393
```

```
<210> 7154
<211> 2094
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2095)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (462)...(1290)
<223> similar to gi4456148 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7154
ggcacgagcc ggggatggct gtgtgttgct agagcacagg ctgattaagc gctcactgtg 60
```

```
ctggctctct gtgccactcc tggaaaataa tgaattgggt aaggaacagt taataagaaa
                                                                      120
                                                                      180
atgtgccttg ctaactgtgc acattacaac aaagagctgg cagctcctga aggaaaaggg
cttqtqccqc tqccqttcaa acttqtcaqt caactcatqc caqcaqcctc aqcqtctqcc
                                                                      240
tecceageae acceteatta catgtgtetg tetggeetga tetgtgeate tgeteggaga
                                                                      300
cgctcctgac aagtcgggaa tttctctatt tctccactgg tgcaaagagc ggatttctcc
                                                                      360
etgettetet tetgteacce eegeteetet eeeceaggag geteettgat ttatggtage
                                                                      420
tttggacttg cttccccgtc tgactgtcct tgacttctag aatggaagaa gctgagctgg
                                                                      480
tgaagggaag actccaggcc atcacagata aaagaaaaat acaggaagaa atctcacaga
                                                                      540
agegtetgaa aatagaggaa gacaaactaa ageaccagca tttgaagaaa aaggeettga
                                                                      600
gggagaaatg gcttctagat ggaatcagca gcggaaaaga acaggaaqag atgaaqaagc
                                                                      660
aaaatcaaca agaccagcac cagatccagg ttctagaaca aaqtatcctc aqqcttgaga
                                                                      720
aagagatcca agatcttgaa aaagctgaac tgcaaatctc aacqaaqqaa qaqqccattt
                                                                      780
taaagaaact aaagtcaatt gagcggacaa cagaagacat tataagatct gtgaaagtgg
                                                                      840
aaagagaaga aagagcagaa gagtcaattg aggacatcta tgctaatatc cctgaccttc
                                                                      900
caaagtccta cataccttct aggttaagga aggagataaa tgaaqaaaaa gaaqatqatq
                                                                      960
aacaaaatag gaaagcttta tatgccatgg aaattaaagt tgaaaaagac ttgaagactg
                                                                     1020
gagaaagtac agttctgtct tcaatacctc tgccatcaga tgactttaaa ggtacaggaa
                                                                     1080
taaaagttta tgatgatggg caaaagtcag tgtatgcagt aagttctaat cacagtgcag
                                                                     1140
catacaatgg caccgatggc ctggcaccag ttgaagtaga ggaacttcta agacaagcct
                                                                     1200
cagagagaaa ctctaaatcc ccaacagagt atcatgagcc tgtatatgcc aatccctttt
                                                                     1260
acaggcctac aaccccacag agagaaacgg tgacccctgg accaaacttt caagaaagga
                                                                     1320
taaagattaa aactaatgga ctgggtattg gtgtaaatga atccatacac aatatgggca
                                                                     1380
atggtctttc agaggaaagg ggaaacaact tcaatcacat cagtcccatt ccgccagtgc
                                                                     1440
ctcatccccg atcagtgatt caacaagcag aagagaagct tcacaccccg caaaaaaggc
                                                                     1500
taatgactcc ttgggaagaa tcgaatgtca tgcaggacaa agatgcaccc tctccaaaqc
                                                                     1560
caaggetgag ccccagagag acaatatttg ggaaatctga acaccagaat tettcaccca
                                                                     1620
cttgtcagga ggacgaggaa gatgtcagat ataatatcgt tcattccctg cctccagaca
                                                                    1680
taaatgatac agaaccggtg acaatgattt tcatggggta tcaqcaqqca qaaqacaqtq
                                                                     1740
aagaagataa gaagtttetg acaggatatg atgggateat ceatgetgag etggttgtga
                                                                     1800
ttgatgatga ggaggaggag gatgaaggag aagcagagaa accgtcctac caccccatag
                                                                     1860
ctccccatag tcaggtgtac cagccagcca aaccaacac acttcctaga aaaagatcag
                                                                     1920
aagctagtcc tcatgaaaaa cacaaatcat aaatcccccc acaaaaattc catatctctq
                                                                    1980
gaaagagcca agaagaaagc tttgggcagc cctggttcca ccattcccca tttgatgctc
                                                                    2040
agacaacttg gagttgggga ctgagggatc catccttaac agcntttaag ggat
                                                                     2094
```

```
<210> 7155
<211> 2525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (372)...(1865)
<223> similar to gil000890 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7155

ggaaaagacc tgggcactcc acgcagcctc ccggctctcc tgaggaactg atgggctttc 60
tctgtctctt tcttgctgat ctttctgcct gacttcgttt tcaaaagagc cagggtggga accctaactg gactctcgg gaccccagg aaggatctga ggcctgagcc atcctcttt 180
```

```
ctaccctgtc tgcccccag gactgggcag ttgcaggagg ccctgggggg gggcccagga
                                                                    240
ctgtggttgt gcccccccc caaaggccgg acaggatggg accaagttag tctgtccagt
                                                                    300
ctcacccagc acctcccagg cccagagaga accccgggg ctctgaaagc ttgccctgcc
                                                                    360
geotgacego catggagacg aagotgoooc otgcaagcac occcactago cootcotooc
                                                                    420
cegggetgte geetgtgeee ecaceegaca aggtggaegg etteteeege egtteeetee
                                                                    480
geagageeeg geeeegeege teecacaget ceteteagtt eegetateag ageaaceage
                                                                    540
aagageteae acegetgeee etgeteaaag atgtgeegge tteegagetg caegagetge
                                                                    600
tgaqccqqaa qctqqcccaq tqtqqqqtqa tqtttqactt cttqqactqt qtqqccqacc
                                                                    660
tcaaggggaa ggaggtgaag cgggcagccc tcaacgagct ggtggagtgt gtgggggagca
                                                                    720
cccggggtgt cctcatcgag cccgtctacc cagacatcat ccgcatgatc tcagtgaata
                                                                    780
tetteeggae tetgeegeee agtgagaace etgaatttga eeetgaagag gatgageeea
                                                                    840
atcttgagcc ttcgtggcca cacctgcagc tggtatatga gtttttcctg cgtttcttgg
                                                                    900
agagcccaga cttccagccc tccgtggcca agagatatgt ggatcaaaag tttgtcctga
                                                                    960
tgctcctgga gctatttgat agtgaggatc cccgggagcg tgagtacctc aagaccatcc
                                                                   1020
tgcaccgggt ctatggcaag ttcctgggtc tccgggccta catccgcaaa cagtgcaacc
                                                                   1080
acatetteet ceggtteate tatgaatteg ageaetteaa tggtgtgget gagetgetgg
                                                                   1140
agatectagg aagcateate aatggetttg egetgeeeet gaagaeggag cacaaqeaqt
                                                                   1200
tectggtteg egtectgate eccetgeact etgteaagte getgtetgte ttecatgeee
                                                                   1260
agetggcata etgtgtggtg eagtteetgg agaaggatge cactetgaca gageaegtga
                                                                   1320
tccgggggct gctcaaatac tggccaaaaa cctgcaccca gaaggaggtg atgtttctgg
                                                                   1380
gggagatgga agagattett gatgteateg ageceteeca gtttgtgaag atecaggage
                                                                   1440
ccctttttaa gcaggtggct cgctgtgttt ccagcccca tttccaggtt gcagagcgqq
                                                                   1500
ctctgtattt ctggaacaat gagtatatcc taagcctcat tgaggacaac tgccacactg
                                                                   1560
1620
tegtateact gatetacaat gtgeteaaga cetteatgga gatgaatggg aagetgtttg
                                                                   1680
atgageteae ageeteetae aagetggaaa ageageagga geageagaag geeeaggage
                                                                   1740
gtcaggagtt atggcaaggt ctggaggagc tgcggctacg ccggctacag gggacccagg
                                                                   1800
gggccaagga ggcccccctc cagcggctta caccccaggt ggccgccagt gggggtcaga
                                                                   1860
gctagacagc acctcagaag gggaaaagct aaacccagag ctgtcagtcc ctctatccct
                                                                   1920
tetectgtee aggggeecag agagaaacae acetaceeet ggeettgeea gagtggette
                                                                   1980
tgaggactcc ctgcccagcc cagctttcac tggggggaga cgaggagagg caatggtggt
                                                                   2040
cttggcaaca gaatgctcag cccctcgtgg caggacttga caagggcaag cttgaccagg
                                                                   2100
aagctgccat cagggatctt cccctgcccc gcaaagctag gctccagctg gcaaqqcqqq
                                                                   2160
gttcccaacc ctctgctcca tggccttggg caagggcaac tcagcgcctc gccctgcccc
                                                                   2220
tgccttggcc caatgcgagg tccttccgtt atccccgacc atggggtccc atggtcctat
                                                                   2280
ttattcctcg cccagctcac cctctacaca gacactgtcc ctgggtgcac acttcctccc
                                                                   2340
ttccctcgct gtgtacttcc ttgtcccctt tatgataaaa tgggcagggg gaggggagg
                                                                   2400
gcacaggcca agaagagatt gcacagtgtc cctggggtaa gggggggttc acagtaatca
                                                                   2460
tggtctactc ctctttccgg tggctggggg tagacgttaa taaagagaga aattcaaaaa
                                                                   2520
aaaaa
                                                                   2525
```

```
<210> 7156
<211> 2372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (159)...(1127)
<223> similar to gi5359673 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7156
ggcacgagat ccggatgtct cggttatgaa gtggagcagt gagtgtgagc ctcaacatag
                                                                       60
ttccagaact ctccatccgg actagttatt gagcatctgc ctctcatatc accagtggcc
                                                                      120
atctgaggtg tttccctggc tctgaagggg taggcacgat ggccaggtgc ttcagcctgg
                                                                      180
tgttgcttct cacttccatc tggaccacga ggctcctggt ccaaggctct ttgcgtgcag
                                                                      240
aagagettte catecaggtg teatgeagaa ttatggggat caccettgtg ageaaaaagg
                                                                      300
cgaaccagca gctgaatttc acagaagcta aggaggcctg taggctgctg ggactaagtt
                                                                      360
tggccggcaa ggaccaagtt gaaacagcct tgaaagctag ctttgaaact tgcagctatg
                                                                      420
gctgggttgg agatggattc gtggtcatct ctaggattag cccaaacccc aagtgtggga
                                                                      480
aaaatggggt gggtgtcctg atttggaagg ttccagtgag ccgacagttt gcagcctatt
                                                                      540
gttacaactc atctgatact tggactaact cgtgcattcc agaaattatc accaccaaag
                                                                      600
atcccatatt caacactcaa actgcaacac aaacaacaga atttattgtc agtgacagta
                                                                      660
cctacteggt ggcatcccct tactctacaa tacctgcccc tactactact cctcctgctc
                                                                      720
cagcttccac ttctattcca cggagaaaaa aattgatttg tgtcacagaa gtttttatgg
                                                                      780
aaactagcac catgtctaca gaaactgaac catttgttga aaataaagca gcattcaaga
                                                                      840
atgaagetge tgggtttgga ggtgteecea eggetetget agtgettget etectettet
                                                                      900
ttggtgctgc agctggtctt ggattttgct atgtcaaaag gtatgtgaag gccttccctt
                                                                      960
ttacaaacaa gaatcagcag aaggaaatga tcgaaaccaa agtagtaaag gaggagaagg
                                                                     1020
ccaatgatag caaccctaat gaggaatcaa agaaaactga taaaaaccca gaagagtcca
                                                                     1080
agagtccaag caaaactacc atgcgatgcc tggaagctga agtttagatg agacagaaat
                                                                     1140
gaggagacac acctgagget ggtttctttc atgctcctta ccctgcccca gctggggaaa
                                                                     1200
tcaaaagggc caaagaacca aagaagaaag tccacccttg gttcctaact qqaatcaqct
                                                                     1260
caggactgcc attggactat ggagtgcacc aaagagaatg cccttctcct tattgtaacc
                                                                     1320
etgtetggat cetateetee taceteeaaa getteecaeg geetttetag eetggetatg
                                                                     1380
tectaataat ateceaetgg gagaaaggag ttttgcaaag tgcaaggace taaaacatet
                                                                     1440
catcagtatc cagtggtaaa aaggcctcct ggctgtctga ggctaggtgg gttgaaagcc
                                                                     1500
aaggagteae tgagaeeaag gettteteta etgatteege ageteagaee etttetteag
                                                                     1560
ctctgaaaga gaaacacgta tcccacctga catgtccttc tgagcccggt aagagcaaaa
                                                                     1620
gaatggcaga aaagtttagc ccctgaaagc catggagatt ctcataactt gagacctaat
                                                                     1680
ctctgtaaag ctaaaataaa gaaatagaac aaggctgagg atacgacagt acactgtcag
                                                                     1740
cagggactgt aaacacagac agggtcaaag tgttttctct gaacacattg agttggaatc
                                                                     1800
actgtttaga acacacaca ttactttttc tggtctctac cactgctgat attttctcta
                                                                     1860
ggaaatatac ttttacaagt aacaaaata aaaactctta taaatttcta tttttatctg
                                                                     1920
agttacagaa atgattacta aggaagatta ctcagtaatt tgtttaaaaa gtaataaaat
                                                                     1980
tcaacaaaca tttgctgaat agctactata tgtcaagtgc tgtgcaaggt attacactct
                                                                     2040
gtaattgaat attattcctc aaaaaattgc acatagtaga acgctatctg ggaagctatt
                                                                     2100
tttttcagtt ttgatatttc tagcttatct acttccaaac taatttttat ttttgctgag
                                                                     2160
actaatctta ttcattttct ctaatatggc aaccattata accttaattt attattaaca
                                                                     2220
tacctaagaa gtacattgtt acctctatat accaaagcac attttaaaag tgccattaac
                                                                     2280
aaatgtatca ctagccctcc tttttccaac aagaagggac tgagagatgc agaaatattt
                                                                     2340
gtgacaaaaa attaaagcat ttagaaaact tc
                                                                     2372
```

```
<210> 7157
<211> 3597
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (70)...(1438)
<223> similar to gi1945611 in the genepept database release 114,
```

```
<400> 7157
caacttccgg tgtgggtgac gagtggtggc cgaagcaggg ggacagcaag ggacgctcag
                                                                      60
geggggaeca tggeggaegg eggeteggag egggetgaeg ggegeategt eaagatggag
                                                                     120
gtggactaca gcgccacggt ggatcagcgc ctacccgagt gtgcgaagct agccaaggaa
                                                                     180
ggaagacttc aagaagtcat tgaaaccctt ctctctctgg aaaagcagac tcgtactgct
                                                                     240
tccgatatgg tatcgacatc ccgtatctta gttgcagtag tgaagatgtg ctatgaggct
                                                                     300
aaagaatggg atttacttaa tgaaaatatt atgcttttgt ccaaaaggcg gagtcagtta
                                                                     360
aaacaagetg ttgeeaaaat ggtteaacag tgetgtaett atgttgagga aateacagae
                                                                     420
cttcctatca aacttcgatt aattgatact ctacgaatgg ttaccgaagg caagatttat
                                                                     480
gttgaaattg agcgtgcgcg actgactaaa acattagcaa ctataaaaga acaaaatggt
                                                                     540
gatgtgaaag aggcagcctc cattttacag gagttacagg tggaaaccta cgggtcaatg
                                                                     600
gaaaagaaag agcgagtgga atttattttg gagcaaatga ggctctgcct agctgtgaag
                                                                     660
gattacattc gaacacaaat catcagcaag aaaattaaca ccaaattttt ccaggaagaa
                                                                     720
aatacagaga aattaaagtt gaagtactat aatttaatga ttcagctgga tcaacatgag
                                                                     780
ggatcctatt tgtctatttg taagcactac agagcaatat atgatactcc ctgtatacag
                                                                     840
gcagaaagtg aaaaatggca gcaggctctg aagagtgttg tactctatgt tatcctggct
                                                                     900
ccttttgaca atgaacagtc agatttggtt caccgaataa gtggtgacaa gaagttagaa
                                                                     960
gaaattccca aatacaagga tcttttaaag ctttttacca caatggagtt gatgcgttgg
                                                                    1020
tecacaettg ttgaggaeta tggaatggaa ttaagaaaag gtteeettga gagteetgea
                                                                    1080
acggatgttt ttggttctac agaggaaggt gaaaaaaggt ggaaagactt gaagaacaga
                                                                    1140
gttgttgaac ataatattag aataatggcc aagtattata ctcggataac aatgaaaagg
                                                                    1200
atggcacage ttetggatet atetgttgat gagteegaag cetttetete aaatetagta
                                                                    1260
gttaacaaga ccatctttgc taaagtagac agattagcag gaattatcaa cttccagaga
                                                                    1320
cccaaggatc caaataattt attaaatgac tggtctcaga aactgaactc attaatgtct
                                                                    1380
ctggttaaca aaactacgca tctcatagcc aaagaggaga tgatacataa tctacaataa
                                                                    1440
gggtcttagt gctttagaaa aaagttaaaa ttggaagtca ttaaaaaaag actgttataa
                                                                    1500
tggtgtatat gttggggttt tttttctaag cttctttgtc ttaaatttta aaatagtgaa
                                                                    1560
tatgtttgag actccctttg acctttcagt tccccaagtt cattgttaac tttgcatttg
                                                                    1620
caattggggc aaaaatacag atttctgtcc gtctgaatac acaaaaagtt gtgtcataac
                                                                    1680
ttacccagat atgttttct atcatttgaa acctttttag gttactgttt gttttcattc
                                                                    1740
aactaacaaa caatattcca ataataaaag cagtatatac atatttcctt tctacagtta
                                                                    1800
cctctgattc tcaacatttt gtggggtagt gatttggcaa gtgtttttta aataaaacaa
                                                                    1860
atctcattgt aaagttatca gtcatttagt agaatagaaa agcaacatag agcatacaag
                                                                    1920
aacatttggg gatagagttg gtgatttgtg aagaatttgt actttgatat tgtggcggaa
                                                                    1980
2040
getggtteca atcacagtag cttgattget ttcagccctc atcctctcac ttgatcagtt
                                                                    2100
gttcaacaga atcagctgac ataattgaca cagtttattg ggtgttaagt ccgctctata
                                                                    2160
gggatagtga ctacttttt ttttttttt ttttttgctc ttctttcctc tcccctttct
                                                                    2220
ttatatgggt ttaaatttaa cataaagttg tttttataag gcttatttgt ggctttaact
                                                                    2280
tgtaagtctg attacatcat tattgttcca aattcattat ctctgtagga acttttagtt
                                                                    2340
ccattatatg aacactggat aacctaattt tttttaatgc tttaaaaaaa tggcaaaaag
                                                                    2400
acgtcaggcc accctcatag taagtggtgt agtattaaaa tattttcacg gaattaaaag
                                                                    2460
tagcttgctg tcaaagaaac acctgagatg aattggtgtg aacgaatttt gcaagtttaa
                                                                    2520
tttgatttat ttcagagaaa atagaaaaaa caatgttaga aggttattta aaatgatact
                                                                    2580
taaataaaga aagtgtgagg tctactttaa aaaaattcaa atgaagagaa aaagaaaaac
                                                                    2640
agcattctag aaatggcatt tctcctaatt aattttccac ttaatggaag attatcaatt
                                                                    2700
gtcctatttt atgatcccag gactgaagac agttgtggga tatctgtcat atttatcctg
                                                                    2760
tgagtcattg tgaataatga catacagtac tgaagtaatc tgattttatt ctttggaaat
                                                                    2820
tcaatgcatt ggtcacacta ataacatcaa catctgctat cacttatctt tttaaaacta
                                                                    2880
accaaaaaag gccgggtgct gggattacag gcatgagcca ctgcacccaa ctcctctttc
                                                                    2940
gtctttcttt aacacacat aggctctttg tgtattatga ttcagtgcta tttgtaactg
                                                                    3000
tgtcccagtg accaaattgc actcgactcg atcagctgtt catccatttc gtgtttttc
                                                                    3060
```

```
ctgtcaaaca ttaatccagc aaatatatga ggtatttacc aatttattt cttagtatta
                                                                    3120
caaaataatt cattagcata aagtacaata gtgaaatatt tgagttgttc ggaacctcaa
                                                                    3180
ttaatcctqt tttacatttc agacctaaaq ctqqcaatca qqaqaaqaaq cactttqttt
                                                                    3240
taaatgtgga gaagataaca cttgattcca tttcattgtc attagtgtat taaccagcag
                                                                    3300
gagaggtgat gagccatttt tcaaatgaaa taccttttat ttccatataa tttttttatt
                                                                    3360
ttagagttca atagctgttt ctatgattat cctcaatttc catatgttac tqaatctqaa
                                                                    3420
aaacatcttt aaaattcaaa cagttccatt ttctctcttg taagtgttaa atgtgataaa
                                                                    3480
agtacatatt ttaaattgtt ttcagctctt ggatatagca gcaataaaaa cactaatttg
                                                                    3540
tgggtattta agaaaacctg gagaataaac tcatacttta aaagatcaaa aaaaaaa
                                                                    3597
```

```
<210> 7158
<211> 869
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (276)...(806)
<223> similar to gi401845 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7158
ctgtgacctg gacaatgaca agtacatcgc cctggatgag tgggccggct gcttcggcat
                                                                      60
caagcagaag gatatcgaca aggatcttgt gatctaaatc cactccttcc acagtaccgg
                                                                     120
attetetett taaccetece etteattttt ageacegtta atgtatteae ttaaatetat
                                                                     180
gttagcacct tgtctccagg cagaacaaca aaccatccaa acattttaaa cattgqqqqa
                                                                     240
aacacgaagg ggagggcgaa cgcggagagc acgccatgaa ggcctcqqqc acqctacqaq
                                                                     300
agtacaaggt agtgggtcgc tgcctgccca cccccaaatg ccacacgccg cccctctacc
                                                                     360
gcatgcgaat ctttgcgcct aatcatgtcg tcgccaagtc ccgcttctgg tactttgtat
                                                                     420
ctcagttaaa gaagatgaag aagtcttcag gggagattgt ctactgtggg caggtgtttg
                                                                     480
agaagtcccc cctgcgggtg aagaacttcg ggatctggct gcgctatgac tcccqqaqcq
                                                                     540
gcacccacaa catgtaccgg gaataccggg acctgaccac cgcaggcqct qtcacccaqt
                                                                     600
gctaccgaga catgggtgcc cggcaccgcg cccgagccca ctccattcag atcatgaagg
                                                                     660
tggaggagat cgcggccagc aagtgccgcc ggccggctgt caagcagttc cacgactcca
                                                                     720
agatcaagtt cccgctgccc caccgggtcc tgcgccgtca gcacaagcca cgcttcacca
                                                                     780
ccaagaggcc caacaccttc ttctaggtgc agggccctcg tccgggtgtg ccccaaataa
                                                                     840
actcaggaac gccccggtga aaaaaaaa
                                                                     869
```

```
<210> 7159
<211> 2211
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (158)...(2117)
```

<223> similar to gi2865466 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 7159
catggcgcgc gagctgcggg cgctgctgct gtggggccgc cgcctgcggc ctttgctgcg
                                                                      60
ggcgccggcg ctggcggccg tgccgggagg aaaaccaatt ctgtgtcctc ggaggaccac
                                                                     120
agcccagttg ggccccaggc gaaacccagc ctggagcttg caggcaggac gactgttcag
                                                                     180
cacgcagacc gccgaggaca aggaggaacc cctgcactcg attatcagca gcacagagag
                                                                     240
cgtgcagggt tccacttcca aacatgagtt ccaggccgag acaaagaagc ttttqqacat
                                                                     300
tgttgcccgg tccctgtact cagaaaaaqa gqtqtttata cqqqaqctqa tctccaatqc
                                                                     360
cagogatgoo ttggaaaaac tgogtcacaa actggtgtot gacggccaag cactgccaga
                                                                     420
aatggagatt cacttgcaga ccaatgccga gaaaggcacc atcaccatcc aggatactgg
                                                                     480
tatogggatg acacaggaag agotggtgto caacotgggg acqattqcca qatoqqqqto
                                                                     540
aaaggccttc ctggatgctc tgcagaacca ggctgaggcc agcagcaaga tcatcggcca
                                                                     600
gtttggagtg ggtttctact cagctttcat ggtggctgac agagtggagg tctattcccg
                                                                     660
ctcggcagcc ccggggagcc tgggttacca gtggctttca gatggttctg gaqtgtttqa
                                                                     720
aatcgccgaa gcttcgggag ttagaaccgg gacaaaaatc atcatccacc tgaaatccga
                                                                     780
ctgcaaggag ttttccagcg aggcccgggt gcgagatgtg gtaacgaagt acagcaactt
                                                                     840
egteagette ceettgtact tgaatggaag geggatgaac acettgeagg ceatetggat
                                                                     900
gatggacccc aaggatgtcc gtgagtggca acatgaggag ttctaccgct acgtcgcgca
                                                                     960
ggctcacgac aagccccgct acaccctgca ctataaqacq qacqcaccqc tcaacatccq
                                                                    1020
cagcatette taegtgeeeg acatgaaace gteeatgttt gatgtgagee gggagetggg
                                                                    1080
ctccagcgtt gcactgtaca gccgcaaagt cctcatccag accaaggcca cqqacatcct
                                                                    1140
gcccaagtgg ctgcgcttca tccgaggtgt ggtggacagt gaggacattc ccctgaacct
                                                                    1200
cagccgggag ctgctgcagg agagcgcact catcaggaaa ctccgggacg ttttacagca
                                                                    1260
gaggetgate aaattettea ttgaccagag taaaaaagat getgagaagt atgeaaagtt
                                                                    1320
ttttgaagat tacggcctgt tcatgcggga gggcattgtg accgccaccg agcaggaggt
                                                                    1380
caaggaggac atagcaaagc tgctgcgcta cgagtcctcg gcgctgccct ccgggcagct
                                                                    1440
aaccagcete teagaataeg eeageegeat gegggeegge accegeaaca tetaetaeet
                                                                    1500
gtgcgccccc aaccgtcacc tggcagagca ctcaccctac tatgaggcca tgaagaagaa
                                                                    1560
agacacagag gttctcttct gctttgagca gtttgatgag ctcaccctgc tgcaccttcg
                                                                    1620
tgagtttgac aagaagaagc tgatctctgt ggagacggac atagtcgtgg atcactacaa
                                                                    1680
ggaggagaag tttgaggaca ggtccccagc cgccgagtgc ctatcagaga aggagacgga
                                                                    1740
ggageteatg geetggatga gaaatgtget ggggtegegt gteaceaacg tgaaqqtqae
                                                                    1800
cetecgactg gacacccace etgecatggt caccgtgetg gagatggggg etgecegeca
                                                                    1860
cttcctgcgc atgcagcagc tggccaagac ccaggaggag cgcgcacaqc tcctqcaqcc
                                                                    1920
cacgetggag atcaaccca ggcacgeget catcaagaag etgaatcage tgcgcaag
                                                                    1980
cgagcctggc ctggctcagc tgctggtgga tcagatatac qaqaacqcca tqattqctqc
                                                                    2040
tggacttgtt gacgacccta gggccatggt gggccgcttg aatgagctgc ttgtcaaqqc
                                                                    2100
cctggagcga cactgacagc cagggggcca gaaggactga caccacagat gacagccca
                                                                    2160
cctccttgag ctttatttac ctaaatttaa aggtatttct taaaaaaaaa a
                                                                    2211
```

```
<210> 7160
<211> 1855
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (168)...(1420)
```

<223> similar to gi286001 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 7160
ggaattegee gggtteegtg tgtetatgte aatgtgtetg teetteacte etecattgte
                                                                      60
tgccgccact gctgctgctg ctgctgctqc cqctqctqct qcacqaatcq ccqcaqcccc
                                                                      120
cagcettgeg egtegteget aceteetegg acagaaattt tatgaataag catcagaage
                                                                     180
cagtgctaac aggccagcgg ttcaaaactc ggaaaaggga tgaaaaagag aaattcgaac
                                                                     240
ccacagtett cagggataca cttgtccagg ggcttaatga ggctggtgat gacettgaag
                                                                     300
ctgtagccaa atttctggac tctacaggct caagattaga ttatcgtcgc tatgcagaca
                                                                     360
cactettega tateetggtg getggeagta tgettgeece tggaggaaeg egeatagatg
                                                                     420
atggtgacaa gaccaagatg accaaccact gtgtgttttc agcaaatgaa gatcatgaaa
                                                                     480
ccatccgaaa ctatgctcag gtcttcaata aactcatcag gagatataag tatttggaga
                                                                     540
aggcatttga agatgaaatg aaaaagcttc tcctcttcct taaagccttt tccgaaacag
                                                                     600
agcagacaaa gttggcgatg ctgtcgggga ttctgctggg caatggcacc ctgcccqcca
                                                                     660
ccatcctcac cagtctcttc accgacagct tagtcaaaga aggcattgcg gcctcatttg
                                                                     720
ctgtcaagct tttcaaagca tggatggcag aaaaagatgc caactctgtt acctcgtctt
                                                                     780
tgagaaaagc caacttagac aagaggctgc ttgaactctt tccaqttaac aqacaqagtq
                                                                     840
tggatcattt tgctaaatac ttcactgacg caggtcttaa ggagctttcc qacttcctcc
                                                                     900
gagtccagca gtccctgggc accaggaagg aactgcagaa ggagctccag gagcgtcttt
                                                                     960
ctcaggaatg cccgatcaag gaggtggtgc tttatgtcaa agaagaaatg aaqaggaatg
                                                                    1020
atcttccaga aacagcagtg attggtcttc tgtggacatg tataatgaac gctqttqaqt
                                                                    1080
ggaacaagaa ggaagaactt gttgcagagc aggctctgaa gcacctgaag caatatqctc
                                                                    1140
ccetgctggc cgtgttcagc tcccaaggcc agtcagagct gatcctcctc cagaaggttc
                                                                    1200
aggaatactg ctacgacaac atccatttca tgaaagcctt tcagaagatt gtggttctct
                                                                    1260
tttataaagc tgatgttctg agcgaagaag caatactgaa atggtataag gaagcacatg
                                                                    1320
ttgctaaagg caaaagtgtt tttcttgacc agatgaagaa atttgttgag tggttacaaa
                                                                    1380
atgcagaaga agaatccgaa tcggaaggtg aggaaaatta aatggctcaa caagcacaat
                                                                    1440
acctaggtta ccacacacca ctttttgatt gggaatgctg aaccatttga gaagagaaac
                                                                    1500
ttggcttctg ttttcgcaaa ggaaaaaaaa aataggatag gcttcccttg tgcagaggga
                                                                    1560
gaaatggttt tgtttttgtt ttgtttttaa atggagccct qaqqcatcaq ctattatact
                                                                    1620
tgggactcta cctctcactc actatatgct aacttaaagc cattcaacaa ggagtcaagt
                                                                    1680
agatctgaaa ttaaatactc aacagactcc tcctttttta gctgtatttt tcaggtactg
                                                                    1740
tgtggtgacc gccccactgg tgtctattac aggccacttt ggtagttgtg tatctqctca
                                                                    1800
tgtatgtgat ttgacaaacc agttttttaa aataaatggc tttttaaaaa aaaaa
                                                                    1855
```

```
<210> 7161
<211> 2720
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (146)...(1381)
<223> similar to gi2914753 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	7161					
		acgcgtccgc	qcqaqqqqq	qqqcqaqcqc	gggacaaagg	60
		ggcgcttttt				120
		ccaaaatgtc				180
		tgcccagcac				240
		acaggctggg				300
		ttccaaaacc				360
		aggtctggga				420
		ttattggtgg				480
		acgaagcaga				540
		accttgctta				600
		agagacaatc				660
		cagatgatta				720
		accaccgcct				780
		tcacaacagc				840
		gaaaactaga				900
		tcctggaaag				960
		aagtggatat				1020
		ggcaggagga				1080
		ttcctgagga				1140
		cgatggagac				1200
		aaggcacgtc				1260
		aggaaggaac				1320
cagtgcaaca	gtggaggagc	caccaacaga	tcccatacca	qaaqatqaqa	aaaaaqaata	1380
agtgttgcct	tgttttgtgt	gttctaaata	cttttttaa	tgaaaaaatg	ttttttqqtt	1440
ttaatggtgt	tacgtggttt	gtgtattaat	tttttttctt	qtccatatca	caccaccaaa	1500
		tcatgagcct				1560
ttgtgaagat	ggctcttttc	tttggatctt	gtttctagcc	ctcaactgct	gaaagcctca	1620
gaatttagat	taattgagaa	aacacccacc	tcttttagag	aattatcctt	tgatgctgca	1680
gaatctactc	ttacaatgcc	ttcctacagc	tcactggggt	gcttaccaaa	gccatagctt	1740
taaaccttcc	cagtccccat	cagtagcttc	ctgaaagtct	cctctcttgt	ttacttctgc	1800
aaagggtagc	ttcttaaaaa	cgtgatcatg	tatgagtatg	tatttgttca	cttacccttt	1860
tttactttta	atcaatgtca	gataccaaga	gttgtgttaa	gctgagtgta	gtgtgtaact	1920
aactacactt	ggatcttact	gatccagaaa	tagtccccat	agttagagta	gttacttatg	1980
aagtggttat	taaagtgaac	acagcacata	tacattatct	atactgcttt	ttgttatgat	2040
taatactggg	tatgttctgg	taaatccatc	cttattgtat	agaaaaaaa	ttacttttt	2100
accaggtttt	ccaaagacag	aatagatcac	aaagctcaag	gaatttaata	ttcttgtaat	2160
ggactagata	attcaaactg	attagcccat	tccagaagaa	aaacagctgg	gaattaagtt	2220
		acaataatca				2280
atagaccaga	gcccaccttt	ttgataaact	tagtaaagtc	ttggagacta	gaagcaagat	2340
agtttgtgac	acataagctt	cccaaaaact	agaatagatt	tttactgaat	agtggtatat	2400
ctgatggtat	atgtttctta	aaggtccaaa	tgtaataaaa	aaaaaatgaa	aaaaaggtct	2460
cagtgttttt	aatgcactac	atatttgtat	gcaagacaag	catccagttt	ttttctgtaa	2520
tgcagtgaca	gtgtggaatg	accactcagc	cattataaat	ttgtgtactc	agggcccttg	2580
tctcacccaa	ctatctctat	aaactgctgc	agtagcttat	ttgtacaaga	cacttgtgaa	2640
aattagtttt	cttacattat	agtcattgtc	acatatggaa	gttggtcttt	gattccaaaa	2700
gtaaagggaa	tatgtttcta					2720

<210> 7162 <211> 2022 <212> DNA

```
<220>
<221> misc_feature
<222> (1987)...(799)
<223> similar to gi975302 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 7162
ttttttttt ttgacaataa catagaaatt ttattacagc atttcatgtt taagccagat
                                                                     60
tecetgecag gatattttet gettgaatta atgaggeagg atttggteat acettaatga
                                                                    120
180
aaagcaaaca tgggattttc acaaagttaa aagcctcctg tgatgcacat tttqqataqt
                                                                    240
aggagacatt gagccccaaa atgtttaaca taaagcatgg ttaattaaat gaaaccactg
                                                                    300
aaaaaatgtga atacatgaag aagaaagaat aaaataattt tgatgttacc atttcaacta
                                                                    360
ctatttttga tataatcatt cttggcaaaa tcattcttaa aggtgggaaa cgagcaggct
                                                                    420
ggatagtaca gccagtaaga gaaagtcaat actgatggcc tccacttgct gatcctctga
                                                                    480
gactgcatct tatagttcat aaaatctgct gaagctcaca actgaggtac aacgacttgt
                                                                    540
gttacttgta ctgtagcaat gagggettte ccaggecaca acatetggga teaaggaaca
                                                                    600
cattttgact aaataaacta tacagaagtc tgttttagga ttttatgcaa atattaacct
                                                                    660
cattttaaaa catgaggaaa aatattaccc acatttaggg ctaatttagc tgtcaggaat
                                                                    720
agaccataca gttgaaaaaa acacagtctc atttaaaaag tttcagcaga gacaaaaagg
                                                                    780
tactaaagat gatattcatc cttcttcatc actgctgctc caggcatctt caaaqqccqq
                                                                    840
atttaattgt gattttgttg tagtctcatc atcatcagga actggttcat ataaggatgg
                                                                    900
aacccaagcc agaatgttgc agtctctgct accactataa agttcctgga aatttgactg
                                                                    960
aaatacacag cagtcaacag ttttataatg tcccttaagc atagttatct gttctcctga
                                                                   1020
gtaaactgta taaacagcaa tggtgctacc atatqqtaca aaaacaaatt ctqaactqca
                                                                   1080
gccacaggag acagtgaatt tcaatccttt tttactgtta ttacaaactt ttccatagtt
                                                                   1140
cacaagtgtg ttttctccat tggaactatt ccagagcctc attcgattat ctgtaccaac
                                                                   1200
agtgaggagg tgaagtccat cacttgtaaa acataagcca ttaactttcc cattatgagc
                                                                   1260
agtgtttgct gattcaacag cttgtgactt tttcccatta tgttgatcaa gagtaatcaa
                                                                   1320
acateetgat getettetea cateeeataa ttttaeteta etgteageae ttgetgttge
                                                                   1380
caagatatag tcataacgtg gagaccagga aactgctaat atttcttgtc tgtgaccctg
                                                                   1440
tagaatgtga gaacaggatc cagacttcaa gtcacaaagt tgtactttgg gtcctctagt
                                                                   1500
accaactgct accaaacagt gcttggtgga gactggagac atatgatgac tataaactgt
                                                                   1560
ttcctcaaaa ttaaatacat ctgcagtttg taatgtattt gtatcccata ctttcagagt
                                                                   1620
tttatcaaat gagcttgatg tgaacatgcc agtgtcatga ggataccact gtacagtctc
                                                                   1680
cacactgtat ctgtgaacat caggatgatc tctgccaatg gaacacactg ctttacatgt
                                                                   1740
gtaataagat tgtctgctgg agttctcaag gtcataaagt acaatcacac catctgaacc
                                                                   1800
acctgataac atgtatctcc cttcaacagg ttcaatgtca agggtgttaa ttccaccqcc
                                                                   1860
gtggattctt tcaacatctc tgtctttatt taattccagt cccaaaactc tccgtgttga
                                                                   1920
ctctgctctc cgaaggcgaa gagggtcctc caaacccgtt tggcgtgcgg acaaaaaccc
                                                                   1980
cagcatateg tgtcctcaca ceggetggag cactggaegt eg
                                                                   2022
```

```
<210> 7163
<211> 968
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (42)...(674)
```

<223> similar to gi3881545 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 7163
cggacgcgtg ggcgcgaacc atggccggca tggtggactt ccaggatgag gagcaggtca
                                                                       60
agteettttt ggagaacatg gaggtggagt gcaactacca etgetaccae gagaaggace
                                                                      120
eggacggttg ctateggetg gtggactatt tggaagggat ceggaagaat tttgatgagg
                                                                      180
ctgccaaggt gttgaagttt aactgtgaag agaaccagca cagtgatagc tgctacaaac
                                                                      240
tgggggccta ctatgtgact ggaaaaggtg gtctgaccca ggacctgaaa gctgccgcca
                                                                      300
ggtgcttttt gatggcgtgt gagaagcctg gaaagaagtc aatagcagca tgtcacaacq
                                                                      360
ttggcctcct ggcacatgat ggacaggtta atgaggatgg ccagcctqac ttgqqaaaqq
                                                                      420
ccagggacta ctacacaagg gcctgtgatg gtggctatac ttccagttgc ttcaacctca
                                                                      480
gtgccatgtt cctgcagggt gccccaggct ttcccaagga catggacctg gcatgtaaat
                                                                      540
acticcatgaa agcitgtgac ctqqqtcata tctqqqcctq tqccaatqcc aqtcqcatqt
                                                                      600
                                                                      660
acaagctggg ggatggtgtt gataaggttg aggccaaggc cgaggtgcta aaaaatcqaq
cccagcaggt acacaaagaa cagcagaaag gtgtccaacc cttaacattt qqqtaatqtq
                                                                      720
gtccaccete ceteceagge aacaaactge ttgaggetgg cageteetgt ttetgaagae
                                                                      780
tgatgcagcc cttgaaggtc aacctgctgg agcaaaaaaa cttgggactt gaatttgtag
                                                                      840
ctccatttac atggatccat tgccccagct actggagtat agcctacaat gtttatttca
                                                                      900
gtcaatattc ctttatctgg gtgttctgta caatgtttat tacagtcaat attccttcaa
                                                                      960
aaaaaaaa
                                                                      968
```

```
<210> 7164
<211> 2115
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1118)...(1781)

<223> similar to gi189937 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7164
gggatctcaa agacttcttt agctaattac ttccattgcc atggccaata ataagaataa
                                                                       60
taacacagta atactagcag ttgggaagct acataatagt aattaagaga acagactttg
                                                                      120
aagctagact gcctgtggct gtgaccttga ataaaacctt taacctatct ctgtctcagc
                                                                      180
tttcccatcg gtaaagtggg cataataaaa gtgtctactt catagggcta ttgtqqqqat
                                                                      240
tagtagcata tctaaagtag cttaaaacag tgtcttacat acagtaggtc aaatatagtg
                                                                      300
ttagctatta ttaccattat cactgtcact atccttatcc tccaaagttt gcaacaaact
                                                                      360
gagagacaga tacaggaacc atagagatgg tgatcagagg tcagctttaa aattgagcga
                                                                      420
tttagagaat gtgatataga tatgcacaca aatggacttg ctaatatttt accccttaat
                                                                      480
taggtaaact tacctgccaa ttcatagagc atagtccatt gcatggccaa gagcagactg
                                                                      540
gaatgaggtc ctctgtgaac aatcaagaga gaaagagcag tacagaaaga gttaaattga
                                                                      600
caatattcat attetettee caaatgetee agteagacag gteactgeta ettatggggt
                                                                     660
agactgtgtg aggtgcagta cagaagctgg aagcactcta tccatactct tcccttctgg
                                                                      720
gaaatgaggt tcaaattccc tcttcactct agaagcagga gaagtaggga atcattgttc
                                                                      780
```

```
caccetaaca aatggtaatg aaagctaaat ttattgcatg tttccaatgt gctaggctct
                                                                      840
gtgctaagta ctttgtattc attagetett tttattettg gaacatttet aagaagtate
                                                                      900
tatccacatt atgcagatga ggaaactgag gctcagaaat gggaatttac ttgatccaga
                                                                      960
teacetaget agaaageage gaggeagaea tetgaageea agtetgeeta gegteaaage
                                                                     1020
ctatqtccct qqqcaqttat qtqtactact ccactaccta aaqqtctcct aqtqcctctq
                                                                     1080
actcagtggt gatgagcttt gagttttctt tcttcttttc atcccagctt gcactggttt
                                                                     1140
cegecteega cetgtagetg geetgettte etetegggat ttettgggtg geetggeett
                                                                     1200
ccgagtcttc cactgcacac agtacatcag acatggatcc aagcccatgt atacccccga
                                                                     1260
acctgacate tgccatgage tgttgggaca tgtgcccttg ttttcagate gcagetttgc
                                                                     1320
ccagttttcc caggaaattg gccttgcctc tctgggtgca cctgatgaat acattgaaaa
                                                                     1380
gctcgccaca atttactggt ttactgtgga gtttgggctc tgcaaacaag gagactccat
                                                                     1440
aaaggcatat ggtgctgggc tcctgtcatc ctttggtgaa ttacagtact gcttatcaga
                                                                     1500
gaagccaaag cttctccccc tggagctgga gaagacagcc atccaaaatt acactqtcac
                                                                     1560
ggagttccag ccctgtatt acgtggcaga gagttttaat gatgccaaqq aqaaaqtaaq
                                                                     1620
gaactttgct gccacaatac ctcggccctt ctcagttcgc tacgacccat acacccaaag
                                                                     1680
gattgaggtc ttggacaata cccagcagct taagattttg gctgattcca ttaacagtga
                                                                     1740
aattggaatc ctttgcagtg ccctccagaa aataaagtaa agccatggac agaatgtggt
                                                                     1800
ctgtcagctg tgaatctgtt gatggagatc caactatttc tttcatcaga aaaaqtccqa
                                                                     1860
aaagcaaacc ttaatttgaa ataacagcct taaatccttt acaagatgga qaaacaacaa
                                                                     1920
ataagtcaaa ataatctgaa atgacaggat atgagtacat actcaaqagc ataatggtaa
                                                                     1980
atcttttggg gtcatctttg atttagagat gataatccca tactctcaat tgagttaaat
                                                                     2040
cagcaatctg tcgcatttca tcaagattaa ttaaaatttg ggacctgctt cattcaagct
                                                                     2100
tcatatatgc tttgt
                                                                     2115
```

```
<210> 7165
<211> 922
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (76)...(680)
<223> similar to gi35897 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7165
cgctccacgc gcgcccggac tcggcggcca ggcttgcgcg cggttcccct cccggtgggc
                                                                       60
ggattcctgg gcaagatgaa gtgggtgtgg gcgctcttgc tgttggcggc gctgggcagc
                                                                      120
ggccgcgcgg agcgcgactg ccgagtgagc agcttccgag tcaaqqaqaa cttcqacaaq
                                                                      180
gctcgcttct ctgggacctg gtacgccatg gccaagaagg accccgaggg cctctttctg
                                                                      240
caggacaaca tcgtcgcgga gttctccgtg gacgagaccg gccagatgag cgccacagcc
                                                                      300
aagggccgag tccgtctttt gaataactgg gacgtgtgcg cagacatggt gggcaccttc
                                                                      360
acagacaccg aggaccctgc caagttcaag atgaagtact ggggcgtagc ctcctttctc
                                                                      420
cagaaaggaa atgatgacca ctggatcgtc gacacagact acgacacgta tgccgtgcag
                                                                      480
tactcctgcc gcctcctgaa cctcgatggc acctgtgctg acagctactc cttcgtgttt
                                                                      540
tecegggace ccaaeggeet geecceagaa gegeagaaga ttgtaaggea geggeaggag
                                                                      600
gagctgtgcc tggccaggca gtacaggctg atcgtccaca acggttactg cgatggcaga
                                                                      660
tcagaaagaa accttttgta gcaatatcaa gaatctagtt tcatctgaga acttctgatt
                                                                      720
ageteteagt etteagetet atttatetta ggagtttaat ttgeeettet etececatet
                                                                      780
teceteagtt eccataaaac etteattaca cataaagata eaegtggggg teagtgaate
                                                                      840
```

```
<210> 7166
<211> 2198
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (94)...(612)
<223> similar to gil060893 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7166 aattcccggg tccacgattt cgtggaggct cgggtcgttg tggtgcgctg tcttcccgct 60 tgcgtcaggg acctgcccga ctcagtggcc gccatggcat cagatgaagg caaacttttt 120 gttggagggc tgagttttga caccaatgag cagtcgctgg agcaggtctt ctcaaagtac 180 ggacagatet etgaagtggt ggttgtgaaa gacagggaga eecagagate teggggattt 240 gggtttgtca cctttgagaa cattgacgac gctaaggatg ccatgatggc catgaatggg 300 aagtetgtag atggaeggea gateegagta gaeeaggeag geaagtegte agaeaaeega 360 tecegtgggt accgtggtgg etetgeeggg ggeegggget tetteegtgg gggeegagga 420 cggggccgtg ggttctctag aggaggaggg gaccgaggct atggggggaa ccggttcgag 480 tecaggagtg ggggetaegg aggeteeaga gactactata geageeggag teagagtgqt 540 ggctacagtg accggagctc gggcgggtcc tacagagaca gttacgacag ttacgctaca 600 cacaacgagt aaaaaccctt cctgctcaag atcgtccttc caatggctgt gtgtttaaag 660 attgtgggag cttcgctgaa cgttaatgtg tagtaaatgc acctccttgt attcccactt 720 tegtagteat tteggttetg atettgteaa acceageetg accegettetg acgeegggat 780 ggcctcgtta ctagactttt ctttttaagg aagtgctgtt tttttttgag ggttttcaaa 840 acattttgaa aagcatttac ttttttgacc acgagccatg agttttcaaa aaaatcgggg 900 gttgtgtggg tttttggttt ttgttttagt ttttggttgc cgttgccttt tttttttag 960 tggggttggc cccatgaagt gggtgcccca ctcacttctc tgagatcgaa cggactgtga 1020 atccgctctt tgtcggaagc tgagcaagct gtggcttttt tccaactccg tgtgacgttt 1080 ctgagtgtag tgtggtagga ccccggcggg tgtggcaqca actqccctqq aqccccaqcc 1140 cctgcgtcca tctgtgctgt gcgccccaca gtagacgtgc agacgtccct gagaggttct 1200 tgaagatgtt tatttatatt gtccttttt actggaagac gtacgcatac tccatcgatg 1260 ttgtatttgc agtggctgag gaattettgt acgcagtttt etttggettt acgaaqeega 1320 ttaaaagacc gtgtgaaatg aaccttgctc tgacaattcc cttgcattgc accacacat 1380 ccttgctgcg ggctcctgca gccagacctg agcagagaga gaaggtggag aagcagcggg 1440 tetgeaagee tteeetgggg cetgeagage tagaaaggga ggeecageag aetggegetg 1500 gtcagggtag gggagccagg cgggggacgg gagcgggcag ctcaggcctc agggcagccc 1560 tgggaggett etggeagtgg tggeeagagg getggaetgt gegggeaget tageagggae 1620 agtggacgtg cacctgacgc tgacctggac tgcctcagtc tagaagcagg ccagagagca 1680 gaggcacgtg gcatcccagg gcgacctcag acggccagcc ggttagctag ttctgctgtt 1740 gcttcacgag ttctgagcat tctctgctag cctatggaag ctgcagccct cggaggacag 1800 aagtgttgtg cgcccaacag aaccctctga gacgcaagct gctcccttgg ctagctcata 1860 tgtggaaata gccctgtaat tcgaggtaac tccttccgct cgtgtccaca tccctcttgt 1920 tgagagetea etgaaagtea tgtgeeeegg ggaatgttee tgtgaetgtt ttttgtttt 1980 ccttttttt ttaactttgt ttttgttttt ttcaattaag ctgggaacta aagtcagggc 2040 cagccattac ggttccccac gtggcagcca gggtgcagcc tgggcccagt catgcctggc 2100

```
<210> 7167
<211> 1972
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (87)...(1216)
<223> similar to gi3320894 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7167 ccccgcgctg caggaattcg gcacgaggcc aactctcgca ctctgttctt ccgccqctcc 60 geogtegegt ttetetgeeg gtegeaatgg aagaagagat egeegegetg gteattgaca 120 atggctccgg catgtgcaaa gctggttttg ctggggacga cgctccccga gccgtgtttc 180 cttccatcgt cgggcgcccc agacaccagg gcgtcatggt gggcatgggc cagaaggact 240 cctacgtggg cgacgaggcc cagagcaagc gtggcatcct gaccctgaag taccccattg 300 agcatggcat cgtcaccaac tgggacgaca tggagaagat ctggcaccac accttctaca 360 acgagetgeg cgtggccccg gaggagcacc cagtgctgct gaccgaggcc cccctqaacc 420 ccaaggccaa cagagagaag atgactcaga ttatgtttga gaccttcaac accccqqcca 480 tgtacgtggc catccaggcc gtgctgtccc tctacgcctc tgqqcqcacc actqqcattq 540 teatggacte tggagaeggg gteacceaea eggtgeeeat etaeqaqqqe taeqeeetee 600 cccacgccat cctgcgtctg gacctggctg gccqqqacct qaccqactac ctcatqaaqa 660 tecteactga gegaggetae agetteacea ceaeqqeeqa qeqqqaaate qtqcqeqaca 720 tcaaggagaa gctgtgctac gtcgccctgg acttcgagca ggagatggcc accgccgcat 780 cetectette tetggagaag agetaegage tgeeegatgg ceaggteate accattggea 840 atgageggtt ceggtgteeg gaggegetgt tecageette etteetgggt atggaatett 900 gcggcatcca cgagaccacc ttcaactcca tcatgaagtg tgacgtggac atccgcaaag 960 acctgtacgc caacacggtg ctgtcgggcg gcaccaccat gtatccgggc attgccgaca 1020 ggatgcagaa ggagatcacc gccctggcgc ccagcaccat gaagatcaag atcatcgcac 1080 ecceagageg caagtacteg gtgtggateg gtggetecat cetggeetea etgtecacet 1140 tecageagat gtggattage aageaggagt acgaegagte gggeeeetee ategteeace 1200 gcaaatgctt ctaaacggac tcagcagatg cgtagcattt gctqcatqqq ttaattqaqa 1260 atagaaattt gcccctggca aatgcacaca cctcatgcta gcctcacqaa actqqaataa 1320 gccttcgaaa agaaattgtc cttgaagctt gtatctgata tcagcactgg attgtagaac 1380 ttgttgctga ttttgacctt gtattgaagt taactgttcc ccttggtatt tgtttaatac 1440 cctgtacata tctttgagtt caacctttag tacgtgtggc ttggtcactt cgtggctaag 1500 gtaagaacgt gcttgtggaa gacaagtctg tggcttggtg agtctgtgtg gccagcagcc 1560 tetgatetgt geagggtatt aaegtgteag ggetgagtgt tetgggattt etetagagge 1620 tggcaagaac cagttgtttt tgtctttgcg gggtctgttc aggggtttgg aaaaqtccaa 1680 gccgtaggac cccagtttcc tttcttaagc tgatgtcttt tggccaagaa cacccgtggg 1740 gctggttact tgctttgaag ttggaagcgg gtttggacat ttacgcctgt aaatgtattc 1800 attettaatt tatgtaaggt tittittigt aegeaattet eegattetit tgaagaagat 1860 gacaacaaat tttgggtttt ctacatgtta tgtgagaaca ttagcgcccc acgcaacact 1920 gtcattggtg taaggaaaaa ataaaagttg ctgcccgtaa ccaaaaaaaa aa 1972

```
<210> 7168
<211> 2499
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (552)...(1095)
<223> similar to gi32996 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7168 ttctcccgca accttccctt cgctccctcc cgtcccccc agctcctagc ctccgactcc 60 ctcccccct cacgcccgcc ctctcgcctt cgccgaacca aagtggatta attacacgct 120 ttetgtttet eteegtgetg tteteteeeg etgtgegeet geeegeetet egetgteete 180 tetececete gecetetett eggececece cettteaegt teactetgte teteceaeta 240 tetetgecce cetetatect tgatacaaca getgacetea tttecegata cettttecce 300 cccgaaaagt acaacatctg gcccgccca gcccgaagac agcccgtcct ccctgggaca 360 atcagacgaa ttctccccc cccccaaaaa aaagccatcc ccccgctctg ccccgtcgca 420 catteggeec eegegacteg geeagagegg egetggeaga ggagtgteeg geaggaggge 480 caacgcccgc tgttcggttt gcgacacgca gcagggaggt gggcggcagc gtcgccggct 540 tccagacacc aatgggaatc ccaatgggga agtcgatgct ggtgcttctc accttcttgg 600 cettegeete gtgetgeatt getgettace geeceagtga gaecetgtge ggeggggage 660 tggtggacac cctccagttc gtctgtgggg accgcggctt ctacttcagc aggcccgcaa 720 gccgtgtgag ccgtcgcagc cgtggcatcg ttgaggagtg ctgtttccgc agctgtgacc 780 tggccctcct ggagacgtac tgtgctaccc ccgccaagtc cgagagggac gtgtcgaccc 840 ctccgaccgt gcttccggac aacttcccca gataccccgt gggcaagttc ttccaatatg 900 acacctggaa gcagtccacc cagcgcctgc gcaggggcct gcctgccctc ctgcgtgccc 960 gccggggtca cgtgctcgcc aaggagctcg aggcgttcag ggaggccaaa cgtcaccgtc 1020 ccctgattgc tctacccacc caagaccccg cccacggggg cgcccccca gagatggcca 1080 gcaatcggaa gtgagcaaaa ctgccgcaag tctgcagccc ggcgccacca tcctgcagcc 1140 tectectgae caeggaegtt tecateaggt tecatecega aaateteteg gttecaegte 1200 cccctggggc ttctcctgac ccagtccccg tgccccgcct ccccgaaaca ggctactctc 1260 ctcggccccc tccatcgggc tgaggaagca cagcagcatc ttcaaacatg tacaaaatcg 1320 attggcttta aacaccette acataccete cececaaatt atececaatt atececacae 1380 actaattggc tttttagaaa caccccacaa aagctcagaa attggcttta aaaaaaacaa 1500 ccaccaaaaa aaatcaattg gctaaaaaaa aaaagtatta aaaacgaatt ggctgaaaaa 1560 caattggcaa aataaaggaa tttggcactc cccaccccc tctttctctt ctcccttgga 1620 ctttgagtca aattggcctg gacttgagtc cctgaaccag caaagagaaa agaagggccc 1680 cagaaatcac aggtgggcac gtcgctgcta ccgccatctc ccttctcacg ggaattttca 1740 gggtaaactg gccatccgaa aatagcaaca acccagactg gctcctcact cccttttcca 1800 tcactaaaaa tcacagagca gtcagaggga cccagtaaga ccaaaggagg ggaggacaga 1860 gcatgaaaac caaaatccat gcaaatgaaa tgtaattggc acgaccctca cccccaaatc 1920 ttacatctca attcccatcc taaaaagcac tcatacttta tgcatccccg cagctacaca 1980 cacacaacac acagcacacg catgaacaca gcacacacac gaccacagac acacagacgt 2040 gcaccaccat acctggcgaa gttttgtatt tttggtagag atggggtttc accatgttgc 2100 tcaggctgtt ctcaaactcc tgagttcaag cgatctacct gccacagcct cctagagtgc 2160 tgggatgaca ggcatgagcc accgcaccca gcctctgcgt ggggtttcgt cagggctggg 2220 tctgtgccct gaaggggagc tcattccagc ccagctcccc actgctgcag cttgtgtgtg 2280 gactecteca gaaggggage gggagtttee etgtaggagt ttateateca tggtgaggag 2340

```
ggcagcaggg ggcactattt cctcagggtg aggtctttag ttaggcctct gagcccaagc 2400 taagccatca tatcccctgt gacctgcacg tatacatcca gatagcctga agcaactgta 2460 aaaatatcct taactgatga cattccaata ttgtgattg 2499
```

```
<210> 7169
<211> 1748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1391)...(528)
<223> similar to gi1881447 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7169 ttttttttt ttcatacaaa cattatgtat ctttatttaa atttgcaaat gaaaacaaca 60 catatttcat gttagtttta ataagagatt ccctatcctc tgccccagta aaacctaacc 120 aagccagcct gacaggttat atcaatacag ggagctggag tgggagccaa gggtggtgtt 180 agataggggt ggggtacaga tcaagggggc ctgggagact cagtgactgg aagtctctgc 240 ccctcactct tggtgagtag ctaatttcag cagctggctt cataaggagg agtcagggt 300 gggtggagge tecteceaat tecagateca ettectette tecttetgte tectqqacae 360 ttaggtctta ctgagatggt tttcccacag taaagagagg tgggggcaga gtactaaggg 420 teaggagtgt gactetttee catgacteag geetetgtge tagaggtgae cettatagga 480 aggagagacc ccaaatcctt tagccaatga gtggtggggt catcatacca gagagccagc 540 ttgactctgg gcaggcacca tcacaggcac agcacccatg cggctcaagc cagaggaaga 600 aaccccccca gggatggggg atattggttg agggtgggcc ccatctgtcg tgggcagtct 660 tggtgagggc agggcctggc tggagagact gggcgtgggg gtcaatgcac caggcctggg 720 agggccatgg ggtggccgga gggctcgtgc ggaggtgaca gaggaaaggg tcccattctt 780 ggagattgtg tetgagetet tgggeeaggg eagggteegg ggageaatgg catecteett 840 gatatcattg gctggctcct ccagggcctt gccccggcgg tggtacaaga ggaccagccc 900 agccagcaac cccagtccaa ccagggtacc cacaacagct ccagcaacca ctgcagctcc 960 aggecetgtg eteaetteca gegteaeatt acattgggea gtgeceaect cattgtggge 1020 cttgcagaca tagactccag ccatggaaga cgaaaggttg gtgaggctta aagacccacg 1080 gatgacatct aatgctggtg caaagaaagt ctggaaggat ggaagctgcc gatcccactg 1140 gtattggaca gcgggcttac tccttggaga ctggcagctc agggtcacgt ttgccccac 1200 atggggcaca ccctggagac ggcaggatgg aggagctgga ggaaccagta cattgagttc 1260 taaggttttg atgctgtggc ccctagattt gccttgtttg tcttgcacat tcacggagca 1320 gctgtagggg ccagagtctt tctcctggag accctccagc cgcagggaca ggttccggga 1380 gggcatggag tagaccaagg atactccagg tttgcttgtt gtgaccccat tgatgtagga 1440 caacacetgg tgtggggcat aacacatece cgtcattact acatgtgtct actgtgccta 1500 caggeteage caeteteeet eccecagete geatteteca aatgeeeete acatgeacee 1560 attettetaa cetgaaceag etceccatte acettttgte cetageecee tetcactgee 1620 cetgggteet etteaceaga acagttette gtteetgege attgteteat eteceaattg 1680 cggtgtttag aaaggtgaca taatagtggg aggagggaca tgtaaatagg aggtatgtat 1740 ctcgtgcc 1748

```
<210> 7170
<211> 2303
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1270)...(794)
<223> similar to gi37481 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7170 ttttttttt ttcagtctgt catttttatt aagcctgcag agctgttttt tttttctaca 60 cacgacaaat actttgatat aatctaggat aataaaatag ttgaacaact ttttaagatt 120 tatatttgta tagaaacaat ctgtggaact cctcccctca aaatgaaggt gtctaaaaac 180 agtgattcat cagcattgct ttaaataatt gtttggttaa aagttgtggt ttccattctc 240 aaccgaaatg cgtctccatg cagttttcct tgggtccaaa gcttaaggcc ttgggaaggg 300 ggccaagaaa aaaagaatgg ccacteteet ttetgteett eeettgtgtg gaggacagtg 360 attgaaacag gggagttaaa aagccaggaa gaaaagaaat caattgcaca tctctagttc 420 gcaagcgtca aagtcacaac aagtctgtac acaacaactc tctatctgta gatatgaaat 480 tccatcatga tagcacagcg cctgcttgcc cctaaatgtt cctttcttct gctaatcatg 540 tcagttacta tggatgggct gtggccataa gttctccctc aagggctggt ccttctgtca 600 ccttgaagtg tcagcccctg aattatgcca cttggatgct atgtcttgat acccaataaa 660 ggtctaccat cccctaagaa atcccttacc ccaccctcaa acccccaaag tgcctaagag 720 tgaagacgaa gatgccatgg agacggcgtc ttcagtgaac acctccccaa agatgcccgg 780 ggactcgggc ctatatcatc ccattgatct tagtccactc gtagatgtcc tgttcgcaca 840 ctatgtcaga gttgatgagg aggtatctgt cacctacaca gaaatgcttc tgacaggcgg 900 cgcacttgaa acattccagg tgatacactt tgtctttcac ccgcattgtc atctcatagg 960 cacgaatccg cttgtcacag gatgcgcaga gaccgtcttg cccaaaaaagc ctgagatagt 1020 ctctccggca gagcttccgg cccagtttgt agtagaggcg ccgccccacc tcacccagcc 1080 ggcagccaca gaggtcgcag ctcaggcagt cctcgtgcca gtactqqtcq atqqccttca 1140 ggaagtagcg gtccccgatg ttctgctggc agccgccgca tgtcagcagg gatgggggga 1200 tetgcagcae etcatecaet ggtteetetg aagggteeag getetteett tegatggeeg 1260 aggacattgg ggagggaggc ggggtgccgg gcggcggggg cgctcccttt gtggcgcggg 1320 gctggccggc tgccggggct cggaccccct cgggtgctcg ggcgccgccg ccgccgccgc 1380 egtegeegee geteetgeet eegettgete ggeeteegee ggegageteg eeeeteegeg 1440 ctcaaggaca gtcaccgcgc tcccttccat cccggtcccg ccgccgccac cgcccggtcc 1500 ctctcgcgcg ctgtcgccgg ctccgcgccg cccgcgggga tggtgtgcgc ccgcccggcc 1560 geeeggagee cetggeacet tteeggeeee gggtegegge geeetgeteg eegeegaggg 1620 cagagaggg gcggcgct aggggcgggg aggggaccgt gcgtctctct ccgggcttcc 1680 tecteteteg ggaaggteta ttttggetea ggetteeete tgtetetgtt teattteett 1740 tttcctgcct ctccactagc tactgcaagt tcaggttgaa aaatatcttc ttttcagagc 1800 agttgttaca gcagatgatg taatcctggt ggcttccccc atcagatcta ggctgcctgc 1860 cccacggata ccttctgggc taattgcctg ctttgcacct gttccttctc gggaggccct 1920 ggcaccctag cacctggtgc ctgtgccatc tcccctctct gccaggacac ccagaggccc 1980 ttgtgaatag caaagcccac ttaacggctg agggcaggtg ggggtatttc cttctcaatt 2040 ctgctcaagg cccgttgctg ttctttgagg atgttgcaaa tccagggttt ggagggctgg 2100 gcctcttggt ggcctggttg tctatctgat agggcggagc cttcaccctt gcagcgagct 2160 ctctcacacc agatgtgctc tgcgtggaat cctaggccat caggggattc cttagcaagc 2220 cctgcaggac ccaaatccta actcagaccc tcatcctcct actcagaatg tggagacttg 2280 tgatcctcag tttggacgaa ttc 2303

```
<210> 7171
<211> 1792
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (110)...(1032)
<223> similar to gi2808531 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7171
gggcggggat tgcgactctc acaccctgag ctccggtgct cctttcctaa ctccactggc
                                                                     60
tgcggcatct gtgggaaaag tgtggctggg tcttcgagga gccgcaccaa tggcttccgt
                                                                    120
gctgtcctac gaaagcctgg tccacgccgt ggccggagcc gtgggaagcg tgacagcaat
                                                                    180
240
atccaaaact acacacatgg tgctcctgga gatcattaaa gaagaaggac tcctggcacc
                                                                    300
atatcgaggg tggtttccag tgatttccag tctctgctgc tccaattttg tctatttcta
                                                                    360
cacttttaat agcctcaaag cactctgggt caaaggtcaa cattctacca ctggaaaaga
                                                                    420
tctggtagtt gggtttgttg caggagtggt taatgtgttg ctaacaactc cactctgggt
                                                                    480
ggtaaacacc agactgaagc ttcaaggagc aaaatttagg aatgaagaca ttgtaccaac
                                                                    540
aaactacaaa ggtatcattg atgcttttca tcagatcatt cgcgatgaag gaatctcggc
                                                                    600
tttatggaat ggcacatttc cctcattgct gttggtcttc aatcctgcca tccagttcat
                                                                    660
gttttatgaa ggtttaaaac ggcagctttt aaagaaacgg atgaagcttt cttccttgga
                                                                    720
tgtgttcatc attggggcag tagccaaagc gattgccacc acggtgacct atcccctgca
                                                                    780
gacggtacag tcaattctga ggtttgggcg tcatagacta aacccagaaa acagaacatt
                                                                    840
gggaagtett eggaatatte tetatettet teaccaaega gtaagaegtt ttggaataat
                                                                    900
gggactctac aaaggccttg aagccaaact gctgcagaca gtcctcactg ctgctctcat
                                                                    960
gttccttgtt tatgagaaac tgacagctgc caccttcaca gttatggggc tgaagcgtgc
                                                                   1020
acaccaacac tgagacgcct tcccatgaaa aattccgaag atgctcaaga gggaggtttc
                                                                   1080
ctcctgagtg aagagaagtg attctccctt gactctggct cctgccacca caaatgttac
                                                                   1140
cctcattggc ttgaaaagca tccaagggtg cacagggagt atggccaact ggacctgttg
                                                                   1200
tcaccttaat tgtcatgctg gctggttgga ttttggggtg gcagttggac taatgtgaaa
                                                                   1260
aaaacattgc tgaaaaccta aaaatgaaag tttgggagtg tttattggtt ttcttaagag
                                                                   1320
aaatggacta ttttgctctc atgtgtaatg gtttctattt aaatctttct taaatatacc
                                                                   1380
agctgttctc tttccctgaa ctctccccca ggttctagga caaatttaat aacatgtaat
                                                                   1440
tctcctcaaa tacttttgta tgtctcagtg ttggtgtttt cctcccctaa aactaacatt
                                                                   1500
agggctgtgc cacgggcatg actttatttt tgttgggctt ttttttcccc tgcttaagga
                                                                   1560
gaggtgtctt ttttggatat gagctattta ttttgtgaaa tgaaaacttg ttcacccaaa
                                                                   1620
atgattctct tataaactat ttgtaaatgt cacttattca ttagtgtttg acataatttt
                                                                   1680
tagaatattt attttgaatc aatcetttca ttacgaaaga ettgaagttt tgtgtecatt
                                                                   1740
cttacaagcc ctggtcagtc aagtcccaat aaatggtcag cacaaaaaag aa
                                                                   1792
```

```
<210> 7172
<211> 1704
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (81)...(1395)
<223> similar to gi182439 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 7172 cttacataaa gggacaattg gagcctgaga ggtgacagtg ctgacactac aaggctcgga 60 gctccgggca ctcagacatc atgagttggt ccttgcaccc ccggaattta attctctact 120 tctatgctct tttatttctc tcttcaacat gtgtagcata tgttgctacc agagacaact 180 gctgcatctt agatgaaaga ttcggtagtt attgtccaac tacctgtggc attgcagatt 240 tcctgtctac ttatcaaacc aaagtagaca aggatctaca gtctttggaa gacatcttac 300 atcaagttga aaacaaaaca tcagaagtca aacagctgat aaaagcaatc caactcactt 360 ataatcctga tgaatcatca aaaccaaata tgatagacgc tgctactttg aagtccagga 420 aaatgttaga agaaattatg aaatatgaag catcgatttt aacacatgac tcaagtattc 480 gatatttgca ggaaatatat aattcaaata atcaaaagat tgttaacctg aaagagaagg 540 tagcccagct tgaagcacag tgccaggaac cttgcaaaga cacqqtqcaa atccatqata 600 tcactgggaa agattgtcaa gacattgcca ataagggagc taaacagagc gggctttact 660 ttattaaacc tctgaaagct aaccagcaat tcttagtcta ctgtgaaatc gatgggtctg 720 gaaatggatg gactgtgttt cagaagagac ttgatggcag tgtagatttc aagaaaaact 780 ggattcaata taaagaagga tttggacatc tgtctcctac tggcacaaca gaattttggc 840 tgggaaatga gaagattcat ttgataagca cacagtctgc catcccatat gcattaagag 900 tggaactgga agactggaat ggcagaacca gtactgcaga ctatgccatg ttcaaggtgg 960 gacctgaagc tgacaagtac cgcctaacat atgcctactt cgctggtggg gatgctggag 1020 atgcctttga tggctttgat tttggcgatg atcctagtga caagtttttc acatcccata 1080 atggcatgca gttcagtacc tgggacaatg acaatgataa gtttgaaggc aactgtgctg 1140 aacaggatgg atctggttgg tggatgaaca agtgtcacgc tggccatctc aatggaqttt 1200 attaccaagg tggcacttac tcaaaagcat ctactcctaa tggttatgat aatggcatta 1260 tttgggccac ttggaaaacc cggtggtatt ccatgaagaa aaccactatg aagataatcc 1320 cattcaacag actcacaatt ggagaaggac agcaacacca cctqqqqqqa qccaaacaqq 1380 ctggagacgt ttaaaagacc gtttcaaaag agatttactt ttttaaagga ctttatctga 1440 acagagagat ataatattt tcctattgga caatggactt gcaaagcttc acttcatttt 1500 aagagcaaaa gaccccatgt tgaaaactcc ataacagttt tatgctgatg ataatttatc 1560 tacatgcatt tcaataaacc ttttgtttcc taagactaaa aaaaaaaaa aggggggcc 1620 gttttaaagg atccctcggg gggcccaagt ttacccgggc atgcaacgaa ataattttt 1680 ccttataggg aggcgaatta taac 1704

```
<210> 7173
<211> 1090
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (62)...(798)
<223> similar to gi2910997 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7173
gtcgacccac gcgtccggta cagtcgccgc gtgcggagct tgttactggt tacttggcct
                                                                       60
catggcggtc cgagcttcgt tcgagaacaa ctgtgagatc ggctgctttg ccaagctcac
                                                                      120
caacacctac tgtctggtag cgatcggagg ctcagagaac ttctacagtg tgttcgaggg
                                                                      180
cgagetetee gataceatee cegtggtgea egegtetate geeggetgee geateategg
                                                                      240
gegeatgtgt gtggggaaca ggeaeggtet eetggtaeee aacaataeea eegaeeagga
                                                                      300
gctgcaacac attcgcaaca gcctcccaga cacagtgcag attaggcggg tggaggagcg
                                                                      360
gctctcagcc ttgggcaatg tcaccacctg caatgactac gtggccttgg tccacccaga
                                                                      420
cttggacagg gagacagaag aaattctggc agatgtgctc aaggtggaag tcttcagaca
                                                                      480
gacagtggcc gaccaggtgc tagtaggaag ctactgtgtc ttcagcaatc agggagggct
                                                                      540
ggtgcatccc aagacttcaa ttgaagacca ggatgagctg tcctctcttc ttcaagtccc
                                                                      600
ccttgtggcg gggactgtga accgaggcag tgaggtgatt gctgctggga tggtggtgaa
                                                                      660
tgactggtgt gccttctgtg gcctggacac aaccagcaca gagctgtcag tggtggagag
                                                                      720
tgtcttcaag ctgaatgaag cccagcctag caccattgcc accagcatgc gggattccct
                                                                      780
cattgacage etcacetgag teacetteca agttgtteca tgggeteetg getetggaet
                                                                      840
gtggccaacc ttctccacat tccgcccaat ctgtaccgga tgctggcagg gaggtggcag
                                                                      900
agageteact gggaetgagg ggetgggeac ceaaccettt tecaectgtg ettategeet
                                                                      960
ggatctatca ttactgcaaa aacctgctct gttgtgctgg ctggcaggcc ctgtggctgc
                                                                     1020
tggctgaggg ttctgctgtc tgtcctgtgc caccccatta aagtgcagtt ccctccgggc
                                                                     1080
aaaaaaaaa
                                                                     1090
```

```
<210> 7174
<211> 818
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (309)...(593)
<223> similar to gi4454708 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7174
gacgacgtag cagccatctt ttccctggct ttggtgattc agaaactccc gttctgtggc
                                                                       60
gaaattctgt gagtccatga agctggattg tccctgacct cttttgagga aggagagggt
                                                                      120
tgcttctaac tggtcctggg agatgccact gtgatgtatc cgggatgaag acacaatcct
                                                                      180
ggttacttca tagcctgttt ttcttcccca gccctgactt ctcaaaaagc actgcacaga
                                                                      240
ggaggaggca gcagaacccc atttcagctt cttaggactc tgcacttccc cagaaggaag
                                                                      300
aattaaaaat gaatatgttc aaggaagcag tgaccttcaa ggacgtggct gtggccttca
                                                                      360
cggaggagga attggggctg ctgggccctg cccagaggaa gctgtaccga gatgtgatgg
                                                                      420
tggagaactt taggaacctg ctgtcagtgg ggcatccacc cttcaaacaa gatgtatcac
                                                                      480
ctatagaaag aaatgagcag ctttggataa tgacgacagc aacccgaaga cagggaaatt
                                                                      540
tagatacctt acttgtaaaa gctcttttgc tctatgacct ggctcaaact taaacttgga
                                                                      600
tttgaagtta gaagaaatgt tggaagtcat ttatatatga agaaatgttg gaaggactca
                                                                      660
tatatgcata catteettga gtgactatga atgactgccg ggcagtaact tetgggetgt
                                                                      720
ggttgtaaac tgtgagcact acaaaatgtt tttccttatt gataccatat tatggtagga
                                                                      780
aagacatgga ataaaaaatt tagatagtaa aaaaaaaa
                                                                      818
```

```
<210> 7175
<211> 1111
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)...(116)
<223> similar to gi3928178 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7175 ctcaggacaa tetecageat ggeetggggt ceteteetee tgaeteteet ggeteaetge 60 acagggteet gggeeeagte tgtgetgaeg cageegeeet cagtgtetgg ggeaagaatt 120 ccacatgaga agtaaaaaca gtttacagta ctcatgtgga attcttgttc ttcttccaaa 180 ctactaacat catcatcatc tgagctccca gggtctgcga gagatttaca gtcctgacca 240 aaactttgtg gcttttgata gctatqctca cttqttatat aaqctccttc catttttaqq 300 ggcaaacgag gtggttcttt atggttctgt acatatttct tttcttctcg attaactgtg 360 tettgageta tttttttete caccecaget attatttgat ettggtettt tegetteeeg 420 gaacaagccc agagatgaag gtcaggatga tgtttattct ttagtattcc aatcttcagc 480 tgtagcccgt gtagcacttc tgtaacacca tagacatcag caagcaggtg atgtqtagaa 540 actatetttt tggcattgag atgagaataa ttttetttga aaaatgataa cecgcacatt 600 ctcccattat tcaaccactc cttatcataa cqatattttq cactccacct ctqacctqqt 660 gggtcccggc agatatagca gatqtactqc tctqqaatqc tctcctccaq caqccccatq 720 cacacgctgt gttgccaaca caagcactct tcacagtgga tcatgaagcc attctcctca 780 tocatotcac aaatacatog cacaatttca ttaagagcat catcotcato ctgaqattco 840 tcaaaattgg ttgaatcaaa gtcctgattg tattcatccc cactcagaaq caaactctcc 900 gttgaagaat catctaggaa gtctacatct gataagtttt caccactaag atcaacggat 960 agaattgccc ttgggtactg ataggttgta gttttctccg taaacatgct tcgtgaagcc 1020 agagaactcc cagaagatcg agttagtgga gaagagcacc tttccaaaaa ttcaagggaa 1080 ctgtcttcat agtctgaata gtcctcgtgc c 1111

```
<210> 7176
<211> 1917
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (47)...(1742)
<223> similar to gi4679028 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7176 cgacccacgc gtccgcccac gcgtccggct cgcaagcgag gcagccatgt cttatcccgc 60 tgatgattat gagtctgagg cggcttatga cccctacgct tatcccagcg actatgatat 120 gcacacagga gatccaaagc aggaccttgc ttatgaacgt cagtatgaac agcaaaccta 180 traggtgate cetgaggtga traaaaactt catreagtat ttecacaaaa etgtetraga 240 tttgattgac cagaaagtgt atgagctaca ggccagtcgt gtctccagtg atgtcattga 300 ccagaaggtg tatgagatcc aggacatcta tgagaacagc tggaccaagc tgactgaaag 360 attetteaag aatacacett ggeeegagge tgaageeatt geteeacagg ttggeaatga 420 tgctgtcttc ctgattttat acaaagaatt atactacagg cacatatatg ccaaagtcag 480 tgggggacct tccttggagc agaggtttga atcctattac aactactgca atctcttcaa 540 ctacattett aatgeegatg gteetgetee eettgaacta eecaaceagt ggetetggga 600 tattatcgat gagttcatct accagtttca gtcattcagt cagtaccgct gtaagactgc 660 caagaagtca gaggaggaga ttgactttct tcgttccaat cccaaaatct ggaatgttca 720 tagtgtcctc aatgtccttc attccctggt agacaaatcc aacatcaacc gacagttgga 780 ggtatacaca agcggaggtg accctgagag tgtggctggg gagtatgggc ggcactccct 840 ctacaaaatg cttggttact tcagcctggt cgggcttctc cgcctgcact ccctqttaqq 900 agattactac caggecatca aggtgetgga gaacategaa etgaacaaga agagtatgta 960 ttcccgtgtg ccagagtgcc aggtcaccac atactattat gttgggtttg catatttgat 1020 gatgcgtcgt taccaggatg ccatccgggt cttcgccaac atcctcctct acatccagag 1080 gaccaagagc atgttccaga ggaccacgta caagtatgag atgattaaca agcagaatga 1140 gcagatgcat gcgctgctgg ccattgccct cacgatgtac cccatgcgta ttgatgagag 1200 cattcacctc cagctgcggg agaaatatgg ggacaagatg ttgcgcatgc agaaaggtga 1260 cccacaagtc tatgaagaac ttttcagtta ctcctgcccc aagttcctgt cgcctgtagt 1320 gcccaactat gataatgtgc accccaacta ccacaaagag cccttcctgc agcagctgaa 1380 ggtgttttct gatgaagtac agcagcaggc ccagctttca accatccgca gcttcctgaa 1440 gctctacacc accatgcctg tggccaagct ggctggcttc ctggacctca cagagcagga 1500 gttccggatc cagcttcttg tcttcaaaca caagatgaag aacctcgtgt ggaccagcgg 1560 tatctcagcc ctggatggtg aatttcagtc agcctcagag gttgacttct acattgataa 1620 ggacatgatc cacatcgcgg acaccaaggt cgccaggcgt tatggggatt tcttcatccg 1680 tcagatccac aaatttgagg agcttaatcg aaccctgaag aagatgggac agagaccttg 1740 atgatattca cacacattca ggaacctgtt ttgatgtatt ataggcagga agtgtttttg 1800 ctaccgtgaa acctttacct agatcagcca tcagcctgtc aactcagtta acaagttaag 1860 gaccgaagtg tttcaagtgg atctcagtaa aggatctttg gagccacaaa aaaaaaa 1917 <210> 7177 <211> 981 <212> DNA <213> Homo sapiens <220> <221> misc feature <222> (27)...(354) <223> similar to gi4877775 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters <400> 7177 agttggagec tgeggagtte gagaceatge tgetgttetg ecceggetge gggaaeggge

tgatcgtgga ggagggacaa cgctgccacc gcttcgcctg caacacgtgc ccctacgtgc

acaacatcac ccgcaaggta acaaatcgga agtacccaaa actgaaagaa gtggatgatg

tgcttggtgg agcagctgcc tgggagaatg ttgactctac tgcagagtcg tgtcccaaat

60

120

180

240

```
gcgaacatcc tcgtgcttac ttcatgcagc ttcagacccg ctctgcagat gagccgatga
                                                                      300
ccaccttcta caagtgctgc aatgctcagt gtggacaccg ctggagggat tagggccagg
                                                                      360
atggcccage tgccctagtg tgtgcttgcc ttgtccctcg gggtagatgc ttagctggca
                                                                      420
gtatgagteg tgtgteetga gggtetttge tagtgtggtg gaaagataaa cettttgagg
                                                                      480
tgaagagcca gggggtcagg aaatatggcc tatctgccag gcagggtgga tgaagtcatg
                                                                      540
aatgtetggg agtttttetg tgtggggagg agacagagac ccataactaa atatgetetg
                                                                      600
tgtaaagece tattetttea tetteeaett tattggeagt tgacatteee ttaeteeeaa
                                                                      660
tcaacactct taaatatttg tactgtttgt aaaacttact acatgtccct aaatatttaa
                                                                      720
ctgcttccag accagacact ttggaaaagg aggaaaatac tacgtcctga ggccactgag
                                                                      780
ccacttatta atactgctat ccatctcttt gccaactctg ctgccacttg catagtgatc
                                                                      840
acagacagcc agggaggagc atgtgtctgt ttcaagcttc tgggaattac tgcgggaaga
                                                                      900
atatoggaag otcoctatgg cactgtcagt gtootcatco coatcaccca caccatcato
                                                                      960
ctcatactcc ttgaccttct t
                                                                      981
```

```
<210> 7178
<211> 1814
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (232)...(1215)
<223> similar to gi431315 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7178 gcggccccca cctccagcat cctcgagcga tggtttctcc cacaactacc ccggccaggt 60 ccagcacttg ggagctgact gtgctggagg tgacaggctt tgcggggtcc gcctgtgtgc 120 aggagtegea aggtegetga geaggaeeea aaggtggeee gaggeageeg ggatgaeage 180 tctccccagg aatcctgctg cctgctgaga aacatggtca gcaagtcccg ctggaagctc 240 ctggccatgt tggctctggt cctggtcgtc atggtgtggt attccatctc ccgggaagac 300 aggtacatcg agctttttta ttttcccatc ccagagaaga aggagccgtg cctccagggt 360 gaggcagaga gcaaggcctc taagctcttt ggcaactact cccgggatca gcccatcttc 420 ctgcggcttg aggattattt ctgggtcaag acgccatctg cttatgagct gccctatggg 480 accaagggga gtgaggatet geteeteegg gtgetageea teaccagete etecateece 540 aagaacatcc agagcctcag gtgccgccgc tgtgtggtcg tggggaacgg gcaccggctg 600 cggaacagct cactgggaga tgccatcaac aagtatgatg tggtcatcag attgaacaat 660 gccccagtgg ctggctatga gggtgacgtg ggctccaaga ccaccatgcg tctcttctac 720 cctgaatctg cccacttcga ccccaaagta gaaaacaacc cagacacact cctcgtcctg 780 gtagctttca aggcaatgga cttccactgg attgagacca tcctgagtga taagaagcgg 840 gtgcgaaagg gtttctggaa acagcctccc ctcatctggg atgtcaatcc taaacagatt 900 cggattctca accepttett catggagatt geagetgaca aactgetgag cetgecaatg 960 caacagccac ggaagattaa gcagaagccc accacgggcc tgttggccat cacgctggcc 1020 ctccacctct gtgacttggt gcacattgcc ggctttggct acccagacgc ctacaacaag 1080 aagcagacca ttcactacta tgagcagatc acgctcaagt ccatggcggg gtcaggccat 1140 aatgtctccc aagaggccct ggccattaag cggatgctgg agatgggagc tatcaagaac 1200 ctcacgtcct tctgacctgg gcaagagctg tagcctgtcg gttgcctact ctgctgtctg 1260 ggtgaccccc atgcgtggct gtgggggtgg ctggtgccag tatgacccac ttggactcac 1320 cccctcttgg ggagggagtt ctgggcctgg ccaggtctga gatgaggcca tgcccctggc 1380 tgctcttatg gagccgagat ccagtcaggg tgggggggct ggagccgtgg gagcccggcc 1440

```
agggcagggg gctcgttgct gtggcaccc ctctctgca gcaccaagag attatttaat 1500 gggctattta attaaggggt aggaaggtgc tgtgggctgg tcccacacat ccaggaaaga 1560 ggccagtaga gaattctgcc cacttttat aaaaacttac agcgatggcc ccaccaaggc 1620 ctagacacgg cactggcctc ccaggagggc aggggcattg ggaatgggtg ggtgccctcc 1680 agaaggggc tgctacctcc cagcaggcat gggaagagca ctggtgtggg ggttccaccg 1740 agaaggggac ctcatctaga aaagaggtta caaacctacc attaaactat ttttcctaaa 1800 acggaaaaaa aaaa
```

```
<210> 7179
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (42)...(470)
<223> similar to gi28547 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7179
ccaagaatte ggcacgagca cagactcaga gagaacccac catggtgctg tetectgccg
                                                                      60
acaagaccaa cgtcaaggcc gcctggggta aggtcggcgc gcacgctggc gagtatggtg
                                                                     120
cggaggccct ggagaggatg ttcctgtcct tccccaccac caagacctac ttcccgcact
                                                                     180
tegacetgag ceaeggetet geceaggtta agggeeaegg caagaaggtg geegaegege
                                                                     240
tgaccaacgc cgtggcgcac gtggacgaca tgcccaacgc gctgtccgcc ctgagcgacc
                                                                     300
tgcacgcgca caagettcgg gtggacccgg tcaacttcaa gctcctaagc cactgcctgc
                                                                     360
tggtgaccet ggccgcccac ctccccgccg agttcacccc tgcggtgcac gcctccctgg
                                                                     420
acaagtteet ggettetgtg ageacegtge tgaeeteeaa atacegttaa getggageet
                                                                     480
cggtggccat gcttcttgcc ccttgggcct cccccagcc cctcctcccc ttcctgcacc
                                                                     540
cgtacccccg tggtctttga ataaagtctg agtgggcggc aaaaaaaaa
                                                                     590
```

```
<211> 3161
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (131)...(1339)
<223> similar to gi35272 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 7180

<210> 7180

```
ggctgcaggg ccaagagcgc tgtcaagaag acccacacgc cccctccag cagctgaatt
                                                                      60
cctgcagete ageageegee gecagageag gaegaacege caategcaag geacetetga
                                                                     120
gaacttcagg atgcagatgt ctccagecet cacetgeeta gteetgggee tggeeettgt
                                                                     180
ctttggtgaa gggtctgctg tgcaccatcc cccatcctac gtggcccacc tggcctcaga
                                                                     240
cttcggggtg agggtgtttc agcaggtggc gcaggcctcc aaggaccgca acgtggtttt
                                                                     300
etcaccetat ggggtggeet eggtgttgge catgetecag etgacaacag gaggagaaac
                                                                     360
ccagcagcag attcaagcag ctatgggatt caagattgat gacaagggca tggccccgc
                                                                     420
cctccggcat ctgtacaagg agctcatggg gccatggaac aaggatgaga tcagcaccac
                                                                     480
agacgcgatc ttcgtccagc gggatctgaa gctggtccag ggcttcatgc cccacttctt
                                                                     540
caggctgttc cggagcacgg tcaagcaagt ggacttttca gaggtggaga gagccagatt
                                                                     600
catcatcaat gactgggtga agacacaca aaaaggtatg atcagcaact tgcttgggaa
                                                                     660
aggagecgtg gaccagetga caeggetggt getggtgaat gecetetaet teaaeggeea
                                                                     720
gtggaagact cccttccccg actccagcac ccaccgccgc ctcttccaca aatcagacgg
                                                                     780
cagcactgtc tctgtgccca tgatggctca gaccaacaag ttcaactata ctgagttcac
                                                                     840
cacgcccgat ggccattact acgacatcct ggaactgccc taccacgggg acaccctcag
                                                                     900
catgiticatt getgeeeett atgaaaaaga ggtgeetete tetgeeetea ecaacattet
                                                                     960
gagtgcccag ctcatcagcc actggaaagg caacatgacc aggctgcccc gcctcctggt
                                                                    1020
tctgcccaag ttctccctgg agactgaagt cgacctcagg aagcccctag agaacctggg
                                                                    1080
aatgaccgac atgttcagac agtttcaggc tgacttcacg agtctttcat accaagagcc
                                                                    1140
tetecaegte gegeaggege tgeagaaagt gaagategag gtgaacgaga gtggcaeggt
                                                                    1200
ggcctcctca tccacagctg tcatagtctc agcccgcatg gcccccgagg agatcatcat
                                                                    1260
ggacagaccc ttcctcttg tggtccggca caaccccaca ggaacagtcc ttttcatggg
                                                                    1320
ccaagtgatg gaaccctgac cctggggaaa gacgccttca tctgggacaa aactggagat
                                                                    1380
gcatcgggaa agaagaaact ccgaagaaaa gaattttagt gttaatgact ctttctgaag
                                                                    1440
gaagagaaga catttgcctt ttgttaaaag atggtaaacc agatctgtct ccaagacctt
                                                                    1500
ggcctctcct tggaggacct ttaggtcaaa ctccctagtc tccacctgag accctgggag
                                                                    1560
agaagtttga agcacaactc ccttaaggtc tccaaaccag acggtgacgc ctgcgggacc
                                                                    1620
atctggggca cctgcttcca cccgtctctc tgcccactcg ggtctgcaga cctggttccc
                                                                    1680
actgaggccc tttgcaggat ggaactacgg ggcttacagg agcttttgtg tgcctggtag
                                                                    1740
aaactatttc tgttccagtc acattgccat cactcttgta ctgcctgcca ccgcggagga
                                                                    1800
ggctggtgac aggccaaagg ccagtggaag aaacaccctt tcatctcaga gtccactgtg
                                                                    1860
gcactggcca cccctcccca gtacagggt gctgcaggtg gcagagtgaa tgtcccccat
                                                                    1920
catgtggccc aacteteetg geetggeeat eteceteece agaaacagtg tgeatgggtt
                                                                    1980
attttggagt gtaggtgact tgtttactca ttgaagcaga tttctgcttc cttttatttt
                                                                    2040
tataggaata gaggaagaaa tgtcagatgc gtgcccagct cttcaccccc caatctcttg
                                                                    2100
gtgggggggg gtgtacctaa atatttatca tatccttgcc cttgagtgct tgttagagag
                                                                    2160
aaagagaact actaaggaaa ataatattat ttaaactcgc tcctagtgtt tctttgtggt
                                                                    2220
ctgtgtcacc gtatctcagg aagtccagcc acttgactgg cacacacccc tccggacatc
                                                                    2280
cagcgtgacg gagcccacac tgccaccttg tggccgcctg agaccctcgc gcccccgcg
                                                                    2340
cccccgcgc ccctctttt ccccttgatg gaaattgacc atacaatttc atcctccttc
                                                                    2400
aggggatcaa aaggacggag tggggggaca gagactcaga tgaggacaga gtggtttcca
                                                                    2460
atgtgttcaa tagatttagg agcagaaatg caaggggctg catgacctac caggacagaa
                                                                    2520
ctttccccaa ttacagggtg actcacagcc gcattggtga ctcacttcaa tgtgtcattt
                                                                    2580
ccggctgctg tgtgtgagca gtggacacgt gaggggggg tgggtgagag agacaggcag
                                                                    2640
ctcggattca actaccttag ataatatttc tgaaaaccta ccagccagag ggtagggcac
                                                                    2700
aaagatggat gtaatgcact ttgggaggcc aaggcgggag gattgcttga gcccaggagt
                                                                    2760
tcaagaccag cctgggcaac ataccaagac ccccgtctct ttaaaaatat atatatttta
                                                                   2820
2880
tttatgggag aattgcacac agatgtgaaa tgaatgtaat ctaatagaag cctaatcagc
                                                                   2940
ccaccatgtt ctccactgaa aaatcctctt tctttggggg ttttctttct ttctttttg
                                                                   3000
attttgcact ggacggtgac gtcagccatg tacaggatcc acaggggtgg tgtcaaatgc
                                                                   3060
tattgaaatt gtgttgaatt gtatgctttt tcacttttga taaataaaca tgtaaaaatg
                                                                   3120
tttcaaaaaa ataataaaat aaataaatac gaaaaaaaaa a
                                                                   3161
```

```
<210> 7181
<211> 1238
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1168)...(197)
<223> similar to gi434751 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7181
ttttttttt ttatttcaaa atgataaaaa tttattgtct ttctggccta tggactcagc
                                                                       60
tgtagttgac tgaagtcgct aaacaggacg gatttaagta gaggtgatat gtccagtcac
                                                                      120
cggcatagag acgtcctctg cgtcaccatc cacacacagg gcttctggta gacatcaggc
                                                                      180
aaagccctcc atgttaatat tcatctgaat atggataatt agggtggcta gcaaaactat
                                                                     240
cactgttaaa atagtggaga tttctgtcta ggccatctat ggctttcatg tcctctgcag
                                                                      300
tcaactggaa ctcaaaaacc tgcacgttct gtctgatgcg ctgctcattg tagctcttgg
                                                                     360
ccaggaccac aaccccacgc tgcagctggt agcgcagggc aatcagggct ggggttcgct
                                                                     420
tgtgcttttt tgccaaggca caaaggactg ggtcctccaa gagcaccggg gagttcgggt
                                                                     480
ccacccatcg tttgtctcgt tgagatccca gagcactata ggcaaccaga acaatatctt
                                                                     540
tcgacttgca gaaatctagc aatttactcc ggttgaaata cggatgacat tctacctggt
                                                                     600
tgcagacagg cttgtacttg agtcctggct tgttgaggat catctccagc tgcctgcggt
                                                                     660
tgaagtttga caccccaatg gacttggcca atcctgcatc cttacacttc tccatggcct
                                                                     720
cccaggtggt acagagatcc actatgtcaa atattacttt tccattttca tctgttggtg
                                                                     780
aaagttcctc acctggcttt agagacattg gagaatgaat aagatagagg tcaacatagt
                                                                     840
ccaattgagc ttttttcagt gagttttcca aggctggtcg gaccaactct ggtcgatgaa
                                                                     900
aagtggacca aagctttgaa gtgtagaata tgtcttctct cttcacactg ccatctgcaa
                                                                     960
tettgetteg gatggeeagt ecaacetget ceteattatt gtataaatga geagaateta
                                                                    1020
tatggcggaa cccagcttct attgctaatt ttgtgacctc caaagcttta cttctcggaa
                                                                    1080
cctctggagg tgcataggtg ccaaatccca atacaggcat gaagtggcca tcatttagct
                                                                    1140
ttacacactg ctgtttggaa tccattccct gtcacttgtc tgactagcaa atgtttgctg
                                                                    1200
ctgcttctcc tcagcccacg cgtccgccca cgcgtccg
                                                                    1238
```

```
<210> 7182
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(183)
<223> similar to gi207318 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7182

```
60
ggcacgagat tttttgttca gcaacctaca agaatcctac tcggagaccg gggataacct
aaacgatagc gcttatatca aaaaattcta taaqtccaaa cttaaqaaca cacaqacaca
                                                                      120
tgataaaaat ccactgcctt ccaaagaaac tattgaacac gataatcaag caagcgaatc
                                                                      180
gtaatgatgc gtgcgccgcc aatatgcact gtacattcca caagcattgc cttcttattt
                                                                      240
tacttctttt atctgtttaa ctttgtaaqa tqcaaaqaqq ttqqatcatq tttaaatqac
                                                                      300
tgtgctgccc ctttcacatc aaaqaactac tgacaactag
                                                                      340
```

```
<210> 7183
<211> 3100
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (315)...(1990)
<223> similar to gi4704427 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters
```

<400> 7183

gctcagtagc gatagcagcg gccgtggagg tggcgttggg gactgttttc tctcggaggc 60 cggagcggag ccgcgtctga ctgaggcggg cagcaagcgg ccccctcgct ccctcctcc 120 ctcctccgcg ccctccccgc cgccaccagc cgtcaaacgc caaccgccgc tcctggggag 180 gageegegge tegeggggee ggageeagge etgegteegg acateageeg gageeggage 240 gagageeggg geeteggegt eccegeete teecegeete ggeeagegte egeegggeee 300 cegegegteg egecatggae teggaegagg getacaacta egagttegae qaqqaegaqq 360 agtgcagtga ggaggacagc ggcgccgagg aggaggagga cgaagacgac gacgagccgg 420 acgatgatac cctggatctg ggcgaggtgg agctggtgga gcccgggctg ggcgtcggcg 480 gggagcggga cggactgctg tgcggggaga cgggcggtgg cggcggcagc gctctggggc 540 ccggcggtgg cggcggcg ggcggcggcg gtggtggtgg cgggccgggg catgagcagg 600 aggaggatta ccgctacgag gtgctcacgg ccgagcagat tctacaacac atggtggaat 660 gtatccggga ggtcaacgag gtcatccaga atccagcaac tatcacaaga atactcctta 720 gccacttcaa ttgggataaa gagaagctaa tggaaaggta ctttgatgga aacctggaga 780 agetetttge tgagtgteat gtaattaate caagtaaaaa gtetegaaca egecagatga 840 atacaaggtc atcagcacag gatatgcctt gtcagatctg ctacttgaac taccctaact 900 cgtatttcac tggccttgaa tgtggacata agttttgtat gcagtgctgg agtgaatatt 960 taactaccaa aataatggaa gaaggcatgg gtcagactat ttcgtgtcct gctcatggtt 1020 gtgatatett agtggatgae aacacagtta tgcgcetgat cacagattea aaagttaaat 1080 taaagtatca gcatttaata acaaatagct ttgtagagtg caatcgactg ttaaagtggt 1140 gtcctgcccc agattgccac catgttgtta aagtccaata tcctgatgct aaacctgttc 1200 gctgcaaatg tgggcgccaa ttttgcttta actgtggaga aaattggcat gatcctgtta 1260 aatgtaagtg gttaaagaaa tggattaaaa agtgtgatga tgacagtgaa acctccaatt 1320 ggattgcagc caacacaaag gaatgtccca aatgccatgt cacaattgag aaggatggtg 1380 gttgtaatca catggtctgt cgtaaccaga attgtaaagc agagttttgc tgggtgtgtc 1440 ttggcccatg ggaaccacat ggatctgcct ggtacaactg taaccgctat aatgaggatg 1500 atgcaaaggc agcaagagat gcacaggagc gatctagggc agccctgcag aggtacctgt 1560 tctactgtaa tcgctatatg aaccacatgc agagcctgcg ctttgagcac aaactatatg 1620 ctcaggtgaa acagaaaatg gaggagatgc agcagcacaa catgtcctgg attgaggtgc 1680 agttcctgaa gaaggcagtt gatgtcctct gccagtgtcg tgccacactc atgtacactt 1740 atgtcttcgc tttctacctc aaaaagaata accagtccat tatctttgag aataaccaag 1800 cagatetaga gaatgecaca gaggtgetet egggetacet tgaacgagat attteccaag 1860

```
1920
 attetetgea ggatataaag cagaaagtac aagacaagta cagatactgt gagagtegac
 gaagggtttt gttacagcat gtgcatgaag gctatgaaaa agatctgtgg gagtacattg
                                                                   1980
 aggactgaga aatggcccct gcattaaaat gaactctgaa aacttttacc atcctagaag
                                                                   2040
tgctcatgca attaaaacaa acaaaacaaa gcaaacacaa acaaggaggc actaagccta
                                                                   2100 -
2160
                                                                   2220
 tatattgtaa taaaaaggta gataaaccat tgtacaacag tattctaggc cgccaacaaa
 agtgtgacag acacactaaa agccctccaa ctttaacttg taacgtagct tcattctcaa
                                                                   2280
 agetgaetee tttttttet tttteetttt eetgagtgta gtacagttaa aattteaaae
                                                                   2340
 ageteettga cactgetttt catgtteaaa eeageeattt tgttgtaett tggtaaagga
                                                                   2400
 cetetteece tteeteecet acacatacag atacacceae acacagactg actetette
                                                                   2460
 teteatacee caaggteatg agtgaatgat gettagttee ttgtaaagaa aatettggga
                                                                   2520
 tggggaaagg ggtaggcagc aagaggattc aacaaacgaa aaacataaaa actttgtata
                                                                   2580
 tgacttttaa aacaagagga caacacagta tttttcaaaa ttgtatatag cgcatatgca
                                                                   2640
 tggacaaagc aagcgtggca cgtgtttgca taatgtttaa ttacaaaaaa atatttattc
                                                                   2700
 tttaaaaatc ttcaagatta tgtctatttg ctgtgcattt tctttcagtt tgcttatctt
                                                                   2760
 tecegggttg gggttgggat aaaggtgtgt eggtttagea cetetggaag acetatetag
                                                                   2820
 agetetttea ettteetgag gttattttge cetttetggt gttggtatgt etgttgeegg
                                                                   2880
 ccatgggcct catgccttga attcctgctc ttgatcaggg acaagggagg tcaagctctg
                                                                   2940
 gactaatgcc atgacctgga tttaaggggg tacagcaggg agttttgttt gctacagctt
                                                                   3000
 catggaattt aacctggtcc caacctaaat ccccctccat gggcatccag gcctctaccc
                                                                   3060
 aagcetttgt gtggeecatg gttatggeac acagetgttt
                                                                   3100
```

```
<210> 7184
<211> 1843
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1731)...(1061)
<223> similar to gi182261 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7184
ttttttttt ttactcaaat ggtttttatt ttcctatctg acatttctaa caaaacgcca
                                                                       60
ggtagacgga gttaaaaaga atccaccgca cgaaaggtaa acaaagcaga ccctcagaaa
                                                                      120
ctccctggca aggatgttcc cctccccaga ttggcccagt ttcaccagca actggtctca
                                                                      180
getcageett atgeetttee aetgaeaece eccaeecete cacatteteg tgatteagae
                                                                      240
caggaacttc tcggctgatt gtgtccgtgt gtctgaggga ggggcacgct ggaacctggg
                                                                      300
aacctactgg gcacctctaa tgcagatgag aaaaacttga gaatgtgaaa gtagatcagt
                                                                      360
ccccgctccc acccgaaggt gcagagacgc gggacattaa ccagcagcac gcgggggtga
                                                                      420
agtaactcag gccactctcc tccccactgc ccagggcggg tgcacgcccc aggacctcct
                                                                      480
cccaggcccc acacccacgc aaggcgacag gaagctcccc acgcctgccc catgacgcaa
                                                                      540
cgatgaccgc ttatacaagt atgtcagcgg agggggaagg ggagtgcctg gaattctccg
                                                                      600
aggttggaaa cgcaaaacca actcttgaaa aaccttgaaa gggccagcac agcccacagt
                                                                      660
acaaaatgaa gtccgaccct gaggagatct ttaaaaacaa acaaacaaac aaaacaaaaa
                                                                      720
acacaacacc caagcctccc ttctcccagt ccagaaggag agcgaaaggt tcacgtccca
                                                                      780
gtccactaag acagcacctg tgggcgcagg tctctgcgga aggcgcccgc gcccccggct
                                                                      840
cagactecte ggtgeegtee etgeacactg aaggegatgg eteccegggg acagagtece
                                                                      900
teteegggee teteageage eegggeggeg gettetetee aeggtttteg egggegette
                                                                      960
```

```
ccccaggatg gagggggtg gcctcgcctc aggtctgcgc cctcgggccg acggttcgac
                                                                     1020
                                                                     1080
gegegetetg ggeteeggea gegeegeteg gggteeteag aaggeeacca eggeeegeae
gagcacgttg agcatgctgt ccgccgggcg gcaagcgggc tttgcctcgc acgcgggcgg
                                                                     1140
cgccgtcgga ggggccgcgg ggctgcagtt caggaggccg gagaagcgcc tctgcaggac
                                                                     1200
gegggeeagg ttgggaaagg egeetteege ttgegeegga gggggetgea ggegategge
                                                                     1260
gactteggat gacgeteect cetettette ettttettee agacgggett tettgetegg
                                                                     1320
gaccagteca gegteceege egtegeteag getgetgetg egtegtttge ggetgaettt
                                                                     1380
                                                                     1440
ggeggggege ggggcacage aggeggaggt etectegget gteggegeet eetgegtgte
cattggctcc ggaaacgggt gctcaccgtc gggggtcgct gtctcggccg tggactcggc
                                                                     1500
ttctcggggc gggtgcaggc gagggtcaga ggggagggcg gccggcaacg acacctcggg
                                                                     1560
                                                                     1620
ctegagggcc tecacettgg cegagaggta gagetecegg gegetgegca tgaceagega
cagctgcaga ctccggtgca gccgcaggcc accgcgctgc atgcgggagt gatacatctt
                                                                     1680
ccacacegac agggtcatga tgcgctgtgc ctctttctgc acttccatgg cgactcgacg
                                                                     1740
                                                                     1800
gegacagegg egggggetee egggagggae agaacaggea geaggtgeae teeggacaae
gggctcgctc aaaaactctc tacacaaacc aacccacgca gtg
                                                                     1843
```

```
<210> 7185
<211> 848
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (169)...(729)
<223> similar to gi159333 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7185
ttttttttt ttaagggttg tcgtgcaggt agaggaaatg agagtgatta cagaaaactg
                                                                       60
gaagaaatgc accaaagatt cctggtttca gagcgttcaa aagatgatct tcagctaaga
                                                                      120
cttacgagag cagaaaatag aataaaacaa cttgaaactg actcctcaga agaaatatca
                                                                      180
cgttaccaag aaatgattca gaaacttcaa aatgtattgg agtctgagag agagaactgt
                                                                      240
gggcttgtca gtgaacaaag gctaaaactt cagcaagaaa ataaacagtt acggaaagag
                                                                      300
actgagagtt taaggaagat tgccctggag gctcaaaaaa aagccaaagt aaagatcagt
                                                                      360
acaatggaac atgaattttc aataaaggaa cgtggatttg aagttcaatt gagagagatg
                                                                      420
gaagacagta atagaaattc cattgttgaa ctgaggcatc tcctagcgac tcaacagaag
                                                                      480
gcagccaata ggtggaaaga agaaacgaag aaacttactg aaagtgcaga aattagaatc
                                                                      540
aataatctaa agagtgagct gagtcgacag aaacttcata cccaagagct gctttctcag
                                                                      600
ctggaaatgg caaatgaaaa ggtagctgag aatgaaaagc taattctaga gcatcaagaa
                                                                      660
aaagccaaca gacttcaaag gcgtctaagt caggcagaag agagagctgc ttcagcttcc
                                                                      720
cagcagetea gtgtgattae agtgeagaga agaaaageag eeteeetgat gaatetggaa
                                                                      780
aatatttaaa aatattcata gttcactcac agaactttag agttgggaaa gcagttggac
                                                                      840
tagaagtg
                                                                      848
```

<210> 7186 <211> 1678

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1613)...(280)
<223> similar to gil359443 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 7186 tttttttttt ttagacccga gttttataag aaatttattt tttcacagat acagaacata 60 aatccaagaa aaattattat tatttttcac aattatgact aaatcatgtt atttctagtt 120 atttacaagt actacaatgt tctatgcatt tcttcatcct agacattaat aaaacacatc 180 cctttggtct tagatacttc tctttggtct gtgttttctc ctttctgaat tttaatcttc 240 tgtgatgtga ggaaatttac gtgaaccttt cacatatcta tttttttcct tgtgcacagt 300 tgataatttc ctcccttaga ttccctattt gctcaaaagg caaatcctct aagaagtcat 360 ctgcagccca tagcattcgt ctcagagcag aaagaattag aacatccttt acagggtcca 420 geteceacte agaggaataa ttgetaacca eegagatgte agaaagagea aatecaagtt 480 ttetttggae tteetetage ttggaeetea eaggeteaca tetetetatt tetataaqqt 540 caccttttgt aatcaaatcc atgctatcca catgagtgag caaagccaca tgtaccacac 600 cagcgtttac caactccctt cgaattcttt tgatctttac tatcatctga gaggagaagt 660 attgaataga getggcatca aatacaaatg ccacacaatg aattetgtee tteagegatg 720 gggaatcaat gtagtcatga tgatttaatt tgattgattc catgggatta aactggtatc 780 tatcacgaat gttaccgttc aagatataga atatgtcatc cctgcacaqq ccqccttctt 840 teteacteag ecceagtgag teacacagaa taaacggeag gtatttgeea tettteeegt 900 ctctaataga gtatgtccta tacttctcag atatcccagt tgtattagtg cccaccaaag 960 cctgatgcgt tacatgccct tggaaaacag acctcactga gttgaaaaag ctggacttcc 1020 cagctccaat tggacccagc agcagaattc gtatttgttg aaccagggat ccatatggtt 1080 cataagttct caaggcagac agtaagctct tcctgagctc aatgacccct tttatctttc 1140 tttcatccag tgaatcttcg catcgaaaaa cttcataatc ctgaatagag atagtacaat 1200 tttgagcaag tccaagattt tccattgtct ttaagtccat aatcactttt ctatttcttc 1260 catctatctg gaaattagtt ggggagttat attttgtaac atcacaacaa aacaqtqttt 1320 ctggtgtaca tagtcctagt ttccattctg aaattttagt atcttgaagt gcaaaaagga 1380 tgatggaagc atactttcct tcctggtaac tctcttctgc atatgctcca ataatatgat 1440 cttcactata aatcactgtt agagtaggcc cttgattaca acatctgtca agcaaaactc 1500 cattacggaa tccatggaca ctacccttat agagaaggct aagccgcttc cctccaaaat 1560 gattttgcag gatcttttcg tgcaaccatg tcaaacgagt tgtcactgcc atacttcttg 1620 atctgttgta ctgtctgtag tatcagctag agctgagggt agctgctctg tctggata 1678

```
<210> 7187
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (69)...(218)
<223> similar to gi339697 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7187
tetttttte ttgetgeage aacgegagtg ggagcaccag gateteggge teggaacgag
                                                                      60
actgcacgga ttgttttaag aaaatggcag acaaaccaga catgggggaa atcgccagct
                                                                     120
tcgataaggc caagctgaag aaaacggaga cgcaggagaa gaacaccctg ccgaccaaag
                                                                     180
                                                                     240
agaccattga gcaggagaag cggagtgaaa tttcctaaga tcctggagga tttcctaccc
ccgtcctctt cgagacccca gtcgtgatgt ggaggaagag ccacctgcaa gatggacacg
                                                                     300
agccacaage tgcactgtga acctgggcac teegegeega tgccaeegge etgtgggtet
                                                                     360
ctgaagggac ccccccca atcggactgc caaattctcc ggtttgcccc gggatattat
                                                                     420
agaaaattat ttgtatgaat aatgaaaata aaacacacct cgtggcaaaa aaaaaa
                                                                     476
```

```
<210> 7188
<211> 3582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(3583)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3167)...(953)
<221> misc_feature
<222> (3167)...(953)
```

<400> 7188 ttttttttt ttgcatatac agagatttta tttccagata tgactgtgag agaatgatga 60 ggggagcagt tacttagtct atttgagctg ttataataaa ataccactga ctaggaaatg 120 tataaagagg actttatttt cccagagttc tggaggctgg gaagttcaac atcaaaacat 180 cagtaggtgc agttgtctgt tgagggctca tgtctgtttc caagatgatg ccttcatgct 240 gcatcttttg gaagggagga gcattgtgtc ctcacagagc agaaaataga agggccacag 300 gacaaactcc ctctatcaag ccttttcata agggcacctg atcccattcg caaagctcta 360 tettegtgae ttgaettaat caetteecaa aggteecace teetaataet taeaetgttt 420 caacagtaaa cagtttatgt agagtttcaa cataaattaa ggaggggaca aaacatccaa 480 accaaggaag gctgggaggg aagccagagg gaaagtgcaa gaggaggttt ggtggaggtg 540 tectagattg tttgeagtee aaggaggttg gggagagtgt aacaggeetg cettggtate 600 cctgctctgc agtcactggc taagagcagt ccttaggaag cacagcctgg cacaaataca 660 acaagaatat gtgctcagta ggaaagagac cacatttccc caatagccca ggtaatqccc 720 tececteaac tggcatetet gttecetaaa cattgacete ttttetetga atetettggg 780 gacacatggg ttgaattcag gttctctgta gccctctgga ttctgtctgc ctctgttata 840 tetteacgaa caagttatge ageeteaact aaagettgta acaaageaaa gttaetetee 900 tgagtgtgtc ctctgatgga tggtgagata taacttcaag atgaagcctc acccacactc 960 cctgtacaaa aacgcttctc acgtaagtgt ctctttaagt gcttactgta gtatgactta 1020 ttgctaaact ttcgtccaca ctcttggcat tcataaggcc tctctcctgt gtgtattctt 1080 tcatgcacag tgaggtctga cttactggta tagcctcgct tacactcctg gcaaacaaaa 1140 ggcttctcct ttgagtgtat ccgccagtgg tgtctggtga gacttctctt ccagctgaag 1200

```
cettgeecac acacattaca caegaaggge tteteceetg agtgtgteet etggtgtgtg
                                                                     1260
aggagatttc cottocagtt gaagectege ceacacteet tgcatacaaa aggetgettg
                                                                     1320
ccagaatgtg caagctggtg tttcacaaga tttgacttcc agataaatcc ttgcccacat
                                                                    1380
tcactacaga tgaaaggett etceeetgag tgtgtettet ggtggaagag gagagttgat
                                                                     1440
tttaggatga agcctcgccc gcaatccttg caattaaatg gcctttcccc cgagtgtgtc
                                                                     1500
cactgatgtc taagaagatt tgccttcaaa ctaaaacttt tctcacactg cttqcacatg
                                                                     1560
aagggettet eteetgagtg tgteetetga tgtatggtga gatttggett caaggtaaag
                                                                     1620
cctcgcccac aatccctgca gaaaaaacgt ttctcaccca agtgtgccct caggtgcttg
                                                                     1680
ttataggagg acttatcccg aaaccttcgc ccacactccc gacatccata aggcttctcc
                                                                     1740
tetgagtgtg teetetggtg taaagtgaag gttgactttt ggataaagee tegteeacag
                                                                     1800
tccttgcaca caaaaggctt ctcctctgag tgtgtgatct gatgtttcac aagggttgac
                                                                     1860
ttctgaataa atccttgccc acattctcta caaacaaaag gtttctcccc tgagtgtgtt
                                                                    1920
ctctggtggt agacaagagt tgacttttgg ctaaagcttc gctcacaatc cttgcacaca
                                                                    1980
aaaggettet eeeetgagtg tgttetetgg tgtetgagga gaetteettt eaegetaaaa
                                                                    2040
ctttgcttac actgcctgca cgcaaagggc ttctcccctg agtgtgtcct ctggtgtgtg
                                                                    2100
ataaggtgtg acttattgct aaagcctcgg ccacactcct ggcatctqta aggcttctct
                                                                    2160
cctgagtgta ttctcttgtg cacaacgaag tatgacttat tagtatagcc tcgcccacac
                                                                    2220
teettgeaca caaaaggett eteeeetgaa tgegeettea agtgettgtt gtatgaggae
                                                                    2280
ttatcgttaa accttcgccc acactcctgg cattcataag gcttctctcc tgtgtgtgtt
                                                                    2340
ctctcatgca cagtgaggta tgacttactg gtatagcctc gtccacacac cttgcacaga
                                                                    2400
aaaggettet eteetgagtg tgteetetgg tgtetgagga ggttggeett gaggetgaag
                                                                    2460
cetegeceae acacactgea cacataggae tteteteetg tgtgtgtgtt etggtgeaag
                                                                    2520
agcaatgetg acteatetet aaageeetgg tgacaeteee tgeatgtaaa aagtttetge
                                                                    2580
ctggaatgtg cttttttgtg tatgattacc atcatcttcc ggctgaagtc ttgcccacgc
                                                                    2640
tetgcacact tgaatgctcc ccatcttgaa ttttctattc ctttcaatac tttgtctatt
                                                                    2700
totgtaggat tttccctctg gccttgacta gactctattt ccactacact gttcctcctc
                                                                    2760
cttgagctta ctgcatgtct taggggtggg ctggaaaatg ccatgggctt agtgcttttt
                                                                    2820
tetttetett gaeetteage tgtgteacte tggaagettt gateagaaaa ttgtagttge
                                                                    2880
tgttgcctct gatgtgcaag tccaagattc ttgggccgca ggacatgttc tgcatatatt
                                                                    2940
cctgcacagg ggcctggccg gcgtcttctc tcttctcccc agggcacttc cccttgctct
                                                                    3000
agccgcctga tgagttctgg tttagaatgg agaattccta gtgagaccag gtggctgtag
                                                                    3060
ttctccagtg tcacctccct gtacagggcc ctctgagcag ggctcagcag cctccattcc
                                                                    3120
ttctgggtga aatccacagt gacatcccca aatgccaaga aagcctgtct cctggctccc
                                                                    3180
tgaggtccca tgactgtctt cctgctctcc acggagaagg gaagcttgca gatggccaat
                                                                    3240
ctgtggcagg agagaagtca gagggtggct gggtgcagct gccctcccca tgtgtgacag
                                                                    3300
ttggtgtgat tccaatacca gctggggatc tggggagggc gcacctgcac aattcccctg
                                                                    3360
tggggatctg gccaaaaggt ttagggagcc aggctccctg caaatccagg acaagctcat
                                                                    3420
ctgggagtcc agtgtgcccc aggagctggg tgacgtttgc agcaaacatc aaagaggggc
                                                                    3480
taaaaggatg aggtacacca gcagatgagg tettgeegga egegtaggte gataeggnae
                                                                    3540
tttcgcacgg tcgtactgat ctcaggattt tattaagtct cg
                                                                    3582
```

```
<210> 7189
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (128)...(261)
<223> similar to gi2125810 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7189
cgtcaggctc ctgcaacccc aggcatgaac caaggtttct gaactactgg gcgggagcca 60
acgtctcttc tttctcccgc tctggcggag gctttgtcgc tgcgggctgg gccccagggt 120
gtcccccatg gcgggccgc gggtggaggt cgatggcagc atcatggaag gggcggcca 180
gagcctgaga gtctctacgg gcttgagctg gctcctaagc ctcccctggc gggcgcagag 240
aattcgagcc gggcggagtt acgcctagac tgtgagctca acattcaact ggactgaaac 300
gggatcgca gacggaggt gggcatctgg gaagacgcct gagctgggtc agcgcattta 360
gagggctcgc cttgcacgat ccagaccgtg aggcacagtg gtcgacatac gagag
```

```
<210> 7190
<211> 3029
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(3030)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2584)...(0)
<223> similar to gi5360085 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7190 ttttttgttt ttttttgat gctcaacagg atctcacgtt tattgagaag tgattaatgg 60 taaaaagaaa ggcaatgccc tttcctcatt ggctgaacaa gaaactgaag aaacattcac 120 ggacacgttt taacagtatt tttctcttcc aaaatgcatt tctgtaaacg agtttttacc 180 actgttctca gctttgaaat caaattaatc ctgacttaat cagtataatg tacaagaaca 240 gaacatttct taggactcct agtactttac tttgagtaac aaaaggtcag agaaaatgaa 300 ccaccettaa agacacaace ttgggtaaca ctgttatatt ctcctagaca aaaattette 360 ataaaaatgt tcttccagtt cggaaggata aaatcaaatt cccactttct ggggtggatg 420 cccaaaacct tcacaactca agtgttctcc aagtgcaaat gtcaaaatgg gaggaggaaa 480 gggtttaaaa attagagaaa actgtatgca cttacggact taaaaatccg aaaaacatag 540 taaaaagaca aaaaaacata gcattatgct ctgaaatcac aaccaaagcc aaaataaaaq 600 ggacattttt cacctaaact acctagaggg attttttggt tagttttttc tttttctttt 660 ttttttcatt ttccagttaa gtcctatgtc ttttgtgaaa ttccaatact taaactgcaa 720 gtctgcaatc gtctctgaag tcagtgaaat taagaaaaaa gtcctaattc tcttgaaggt 780 cattttttcc tcttaggata tgcagatgca accgttgctg cagtctgtgt agaactgcct 840 tttatttccc acgaccttga cgttcctttt taacactttc ttcttcctct tggcqtttct 900 catagtgtga gaagtcatca aaaatggaag tggtgtgctt gtagctggct ataattttca 960 acacctgctt agccttttcc agaggcactt cctgagtgtc cctagagttg gtcactggtt 1020 tattctcgtt gttctctagg cgaatgtgtc gcagttggct attgggaacg tccttcacaa 1080 aaatccacct gacatcaaaa cgacccttcc atttgtcctg ggaccacaca cctgcacatg 1140 tgttgtagtc cacagcagat ttcatttctg ccacgccaca gaagtgtcca ctgccqttqa 1200 cactgaaaag taagtaaacg gggcctttcc cgttcatgga acgataagca gcatccagtc 1260 tettgttace atgetetgtg etgeaceaaa tattataett aatggaacgg tgaatategt 1320

```
cctcagagta gctcttaatg atgaaaaccc ggccatgttt cagattccag tcaaaatctt
                                                                    1380
tggggttata gttattaatg gaccgaagct tctccaacac tgggtggggt tctgaaggag
                                                                    1440
tagatccaga accagectga gaetgteeta etecattace atecaececa ttatgacega
                                                                     1500
acceaetgee aeggtteega ggtgetaeee agegggttgg etgagetgee tgttgetgga
                                                                     1560
ctgaaagctg ggcaggctgt ggtggaggtg gaggcaatgg ctgtgtctgt tgccctactg
                                                                     1620
atgcctgagc cactggtggg ctattgttag cctgctgacc tacaggctga ggagacccct
                                                                     1680
                                                                    1740
gggttggctg acctatattc tgaaccaaag cctgtgaggg ggcttttgca acgggaccct
                                                                     1800
tgttatccca agttccaata tccatgttat gctttatcgg gggtggcgga agacttgacc
                                                                     1860
ctgcaatgcc attcttggtc ttcagtttag gttgctgttt tgcaggcttg ctagcaatat
                                                                     1920
cagcccaaga tgctggtttt ggaggagcaa tggtggctgg aggcaaacta ttggaagcca
                                                                     1980
cgatgttact agtaatggac ccgctaccaa cagcagaacc tacaactttt ggaacattgc
                                                                     2040
ttgcaacttc tgtgctaccc aacttcagtg ctgccatccc ttggtctata gtattcatgc
                                                                     2100
caggageett attgagggte teattggeaa aagetgaetg tecateaate atggeteeae
                                                                     2160
ctaaggagct aggtgcataa gcataattgc tactatatcc agagctctga gtagactgtc
cctgagaact gttatttccc catgctgaga agtcaatccc actgggaaag aaattaaaac
                                                                     2220
catgctgacc aagaaatgga gtgctaccta gggctcctgg ttgcccaaac attgcatctg
                                                                     2280
gtaggaagtg gggctctccg ttgctcagct gtccataaga agttaagtag ggcatggctg
                                                                     2340
tgtcacccc cgtagaccaa gcagcttcac ccaaagaata ggagaagcca atggagggac
                                                                     2400
tgtagtaact gggtaagtag gaatctgaca tggcagtata tgcattattg ggccttgcct
                                                                     2460
                                                                     2520
gtggactcaa gtaaggttca aaatcatcat cgtttaatcc atccttttga tgtacagatc
cattttgtac tttgtttcct tgaccttttg gtctctgctc caagaggctg ctggccgaca
                                                                     2580
tggctctcag atcctcacgg gcggcgacgg cggcgaactc tcctcagcgc ggcggcggcg
                                                                     2640
gcagatgagc cccggctgcg ggagcaggcg gaggcttttg tccctgacac tcgggggcct
                                                                     2700
eggeggaege ageggagaea eagegegegg eteaggetee ggeteegaet eggegaeget
                                                                     2760
ctagcccaag agetcaatgc cegtetetat gettttaege gegegeeege ecceaeege
                                                                     2820
                                                                     2880
ctaaagcaga gcgccgaaca gcggaggcgg gcggcgcgcg cggcgcgagc gctgactctc
                                                                     2940
acattcactc acccacgcgg aaggggcccg gcgcgaagaa ccccggggaag ggagaggccg
                                                                     3000
geogetgege cetetggegg attggaggag eggaagetgt geteaeggnn etceegecet
                                                                     3029
caccggccca ggattaaggc ctagggggt
```

```
<210> 7191
<211> 4377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (53)...(1979)
<223> similar to gi4240171 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7191
gaaccgctcc ggaatttccg ggtcgacgat ttcgtgaaga ggctgaggga ggcggtgtcg
                                                                       60
ccgccgcggc gctgtcatgg agctagcgca ggaagcgcgg gaactgggtt gctgggcggt
                                                                      120
cgaagagatg ggggtgcccg tggcggcccg ggccccggaa tcgacgctgc gcaggctgtg
                                                                      180
tctgggccag ggggctgaca tctgggccta catcttgcag catgtgcaca gtcagaggac
                                                                      240
tgtcaagaag atccggggaa acctactctg gtatggccac caggacagtc cacaggtccg
                                                                      300
teggaagtta gagetggaag etgetgtgae eegeetgegg geagaaatee aggaactega
                                                                      360
ccagagcetg gagetgatgg agegagacae tgaggeteag gacaeggeea tggageagge
                                                                      420
acgtcagcac actcaagaca cccagcgtcg agctctcctc ctccgggccc aagctggggc
                                                                      480
```

```
540
catgcgaaga cagcagcata cgctccgaga tcccatgcag cggctgcaga atcaactgag
gegeetgeag gaeatggaga ggaaageeaa agtagatgtg acetttggat eeeteaegte
                                                                     600
ggcagetetg ggeetggage cegtggteet gegtgatgte egaacageet geaceeteeg
                                                                      660
ggcccagttc ctgcagaacc tcctgcttcc ccaggccaag aggggcagcc tcccaacccc
                                                                      720
                                                                      780
tcatgatgac cactttggca cttcgtacca gcagtggctg agctcagtgg agacgctgct
                                                                      840
gacaaaccac cccccaggcc acgtcctggc tgccttggag cacctggctg cagagcggga
                                                                      900
ggcagagatt cggtccctgt gcagtgggga tgggcttggc gacacagaga tatccagacc
                                                                      960
ccaggccccg gaccagtcag actccagcca gaccctgccg tccatggttc atctcatcca
                                                                     1020
ggagggctgg cggactgtgg gtgtgctggt ctcccagcgg agcaccctcc tgaaggagcg
                                                                     1080
gcaagtettg acceagegee tecagggeet ggtggaggag gtggagagae gegteetggg
atccagtgag aggcaggtgc tgatactggg gcttcggcgc tgttgcctgt ggacggagct
                                                                     1140
                                                                     1200
caaggeeetg caegateaga gecaggaget geaggatgea getgggeate ggeageteet
gctgagggag ctacaggcca aacagcagcg gatcctgcac tggcgccagc tggtggagga
                                                                     1260
                                                                     1320
gacccaggaa caggtccgcc tgctcatcaa gggaaactcg gccagcaaga cccgcctgtg
ceggageceg ggggaggtge tagetetggt ceagegaaag gtggteeeta catttgagge
                                                                     1380
agtggcacca cagagccggg agctgctgcg ctgtctggag gaggaagtcc ggcatttgcc
                                                                     1440
ccacattctg ttgggcacgc tgctgcggca caggccggga gagttgaagc ccctgcccac
                                                                     1500
                                                                     1560
ggtcctccca tccatccacc agctgcaccc cgcgtcccca aggggctcca gcttcatagc
                                                                     1620
gctgagccac aagctggggc tgcctccagg gaaggcctcg gagctgctcc tgccggcggc
tgcctctctt cgccaggacc ttctgctcct gcaggaccag cggagcctct ggtgctggga
                                                                     1680
tetactecae atgaagacca geetgeegee aggeetteee acceaggage tgetgeagat
                                                                     1740
ccaggcatcc caggaaaaac agcagaaaga gaacctgggg caggctctga agaggctgga
                                                                     1800
gaagetactg aaacaggcac tggagegaat ceetgagetg caggggateg tgggggaetg
                                                                     1860
gtgggagcag ccaggccagg ccgccctctc tgaggagctc tgccagggcc tgtccctgcc
                                                                     1920
ccagtggcgg ctgcgctggg ttcaggccca gggggccctg cagaagctgt gcagctgaag
                                                                     1980
agagggttca aacggaagcc gagaacttga cactgttcac cccaacacct cacctcccc
                                                                     2040
aggacatttg gaagaaagca gcgccaggga ttcctcggca gtcgtcccca cccgcacctg
                                                                     2100
cagteceett catgtgetgt tetgettgee ceaeteaget cetgggacee tgttetttte
                                                                     2160
atcccgctaa agcaccccct aaaacccctt catcactttc attctcaacc aaaaaattaa
                                                                     2220
ttgaaccacc ctccctctag gccgcctggg gagtccccac actgaaacaa aagaaaccag
                                                                     2280
aaaacccctg tccttcccag cagttgaagt tcctagggcc agggagaaca gagtttaaca
                                                                     2340
agataaggaa aaatatatat gtagtatgcc tgccaagtta actgcctgtg tgggaaatcc
                                                                     2400
cagcaggggg tgggatgtgt gatttgaatt gagggccaca ctgccccagg tcgtgctccg
                                                                     2460
tcaaggggtg agcaggagca acaggggtgg ctgagtaagg gcttgcagct ggaggcaaca
                                                                     2520
gcacatgcaa aggccctgag ccaggatgtg ctgcaataag ggccactgag ggggacagtg
                                                                     2580
taggttgggg gtgaggaatg tattaaaaga tgagattgcc ttctagtttg tatagtttct
                                                                     2640
ttttttacat gtaaatcagc catttggaat ttatcctagc acatggatcc aattttgtct
                                                                     2700
tattttacat atatcctagt agcacttact gaaattccca gtcagagtgg cagttgcctc
                                                                     2760
                                                                     2820
tgagggaagg tgggtggcag ggatcaactg aggaggagac acagaaatgt cctagcctga
tgggaaatgt gtggtgtcaa gaccagcggc ggtgacgcag gtgtagagat ttgtcagagc
                                                                     2880
tcatgtagtt gtagtcttaa ggcctgtgca tttcactgcg tgggttactc aatttataaa
                                                                     2940
gcaaagccct tacacttttg agatgccacc tttttatgca ctaaatttcc atgtttaatt
                                                                     3000
gggttatate tggcttctct ccagacctgc tttgtattta actctccatg tgtcattcct
                                                                     3060
acagtagett aatagaaagg ettgtgacae attgteatat etgttettgt tttetttgt
                                                                     3120
tttttttttt ttttttttg agatgcagtc tcattctgtt gcccaagttg gagtgcagtg
                                                                     3180
gcatgatete ageteactge aaceteegee teecaggtte aagecattet catgeeteag
                                                                     3240
cttccccagt agctaggatt acaggtacgc accaccacgc ccagctcatt tttgtacttt
                                                                     3300
tagtagggac ggggtttcat catgttggcc agactggtct cgaactcctg acctcaagtg
                                                                     3360
atctgcctgc ctcggcctcc caaagtgctg ggattacagg catgagccac cgcgcctgac
                                                                     3420
cacattgcca tatctgaaat ggctggattc tcttaggtgc ttttcttttt ctttcttct
                                                                     3480
ttcttttttt gagacagaat ctggctgttt cccaggctga agtgcagtgg catgaactca
                                                                     3540
gctcactgca acctctgcct cctggattca aacaattctc atgtctcagc ctcctgaata
                                                                     3600
gctgggatta caggcaccca ccaccatatc tggctaatat ttgtattttt tgtagagtcg
                                                                     3660
gagetttace atgttggtca ggetgetete caacteetgg ceteaagtga ttetategee
                                                                     3720
tetgeeteec aaatetteac etgetgggat tagttteece tgteteagta aattttttt
                                                                     3780
teccaaacta agtgaacatt agatttaatt tggetggeee cagaagaaaa acatgeacag
                                                                     3840
atggtagttt tactggtgtt gcagtaagtt ttcaaatttg gaagtttggc agctttatga
                                                                     3900
```

```
tcttqaacct tgctgtccat ctctcacaca actcctctct tggcctccaq agtcccttta
                                                                     3960
ctctcccage tttcctcctg cccctggctg ctgtttccca gcctttccac attggctttc
                                                                     4020
ccatgtaqtc cttagtgtgt ctgctcctcc tctctctcct catcacagtt cccagccccc
                                                                     4080
accttcaact gaactcaaca aaatcttcaa cttcatacag tagtcacatt gttagtaata
                                                                     4140
acactggcat ttttattttg ataaaataga ccgtttaaat ttttgagatt ctaccttata
                                                                     4200
ttttttgaat tatatactaa agcaaataag tagtgatgta atgtcattgg ggaccaagat
                                                                     4260
ttttagtgta aatgaaaaaa gataacaaat ataaactcaa gtaaacaccc tgtagtcttt
                                                                     4320
cacatgaatt ggaaatatca gaataaagtc atgatttttc tctttctaaa aaaaaaa
                                                                     4377
```

```
<210> 7192
<211> 1169
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1096)...(539)
<223> similar to gi4929713 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7192
gttgggtcca tttttattgt ggatcagggc ttagaggata agcaccggtc agcattgttg
                                                                       60
gctgcaccat ctgccatcct tctctgtgag ccacctctgt gagagagtct aaattcagcc
                                                                      120
caagaaatga ggatcaagaa ggggtaaaaa gccgtggacc acatggccac tcctgctgta
                                                                      180
tetacaceta ccagteactg aacacetgee caagtgtgat ggettecatg caggagacee
                                                                      240
aagtggctct gctagggaga atgacttatt tacctaaggc ttttttattt ctcaaaagtg
                                                                      300
gggggaaaaa gggctggttt ctagaaacag atgtggaatt gaaqaatqtc ccaqqqaqct
                                                                      360
aagttttaag gactaatcac aaacttgttt ctccaacaac atcctgaatc cattccttgc
                                                                      420
accatcacac attittcatg catcagaagt gtttctagag ctccagaacc acgagtacct
                                                                      480
catcacgtcc tgagcgctca catcccccag caagccgcct gcaccaggcc tttctctaqa
                                                                      540
agtectgaga etgagtacte tecagagget ggaggttegt geggagtttg tacatgtggt
                                                                      600
tgagcgcttg tgtgaggaaa gtcccgctgg tgttgatctc catcaaqqtc aaqttatcca
                                                                      660
gettggeatg tgeeteetge tgteteacaa agetqteaqe aqacaeteqq aqtttqqeta
                                                                      720
tacgagtgtc ccacatatcc ttgaccaggg tccggatttc gtctgccttc gggatgttgt
                                                                      780
ctgaagcatg atttaacagg agcttcgtaa gttccatgta gtaagggctg qgcattgqqq
                                                                      840
taaaagtttc ttcctttcgt tcatgatccc tcatcttctc caacttttct acatccatcc
                                                                      900
actotggagg gagcaggcga catttotgto tttgtttcag gttaatcgcc agccacaggg
                                                                      960
gcacttccac gggtaaacca gggttaaaag gccccaggtc ccccccgatg aggtaqatct
                                                                     1020
tgtccagact gaagttgggg ataatggtaa ccagctcctt ctcggcgagg aattcgacct
                                                                     1080
cggcagcgtc catggcggcg cgagctgcag gccagagcct cacggtctcc tcgggcccct
                                                                     1140
cagcgtcccg gaggagacgc cgcggccgc
                                                                     1169
```

```
<210> 7193
<211> 2098
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> (78)...(1909)
<223> similar to gi412163 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```
<400> 7193
aggatgtett etggeaattt catataaqta tttttteaaa aatqtetett etgteaacce
                                                                   60
cacacgcctt tggcacaatg aagtgggtaa cctttatttc ccttctttt ctctttagct
                                                                  120
eggettatte caggggtgtg tttegtegag atgeacacaa qaqtqaqqtt qeteateqqt
                                                                  180
ttaaagattt gggagaagaa aatttcaaag ccttqqtqtt qattqccttt qctcaqtatc
                                                                  240
ttcagcagtg tccatttgaa gatcatqtaa aattaqtqaa tqaaqtaact qaatttqcaa
                                                                  300
aaacatgtgt tgctgatgag tcagctgaaa attgtgacaa atcacttcat accctttttg
                                                                  360
gagacaaatt atgcacagtt gcaactcttc gtgaaaccta tggtgaaatg gctgactgct
                                                                  420
gtgcaaaaca agaacctgag agaaatgaat gcttcttgca acacaaagat gacaacccaa
                                                                  480
540
aagagacatt tttgaaaaaa tacttatatg aaattgccag aagacatcct tacttttatg
                                                                  600
ccccggaact ccttttcttt gctaaaaggt ataaagctgc ttttacagaa tgttgccaag
                                                                  660
720
cttcgtctgc caaacagaga ctcaagtgtg ccagtctcca aaaatttgga gaaagagctt
                                                                  780
teaaageatg ggeagtaget egeetgagee agagatttee caaagetgag tttqeaqaag
                                                                  840
tttccaagtt agtgacagat cttaccaaag tccacacgga atgctgccat ggagatctgc
                                                                  900
ttgaatgtgc tgatgacagg gcggaccttg ccaagtatat ctgtgaaaat caagattcga
                                                                  960
totocagtaa actgaaggaa tgotgtgaaa aacctotgtt qqaaaaatco cactqcattq
                                                                 1020
ccgaagtgga aaatgatgag atgcctgctq acttqccttc attaqctqct qattttqttq
                                                                 1080
aaagtaagga tgtttgcaaa aactatgctg aggcaaagga tgtcttcctg ggcatqtttt
                                                                 1140
tgtatgaata tgcaagaagg catcctgatt actctgtcgt gctgctgctg agacttgcca
                                                                 1200
agacatatga aaccactcta gagaagtgct gtgccgctgc agatcctcat gaatgctatg
                                                                 1260
ccaaagtgtt cgatgaattt aaacctcttg tggaagagcc tcagaattta atcaaacaaa
                                                                 1320
attgtgaget ttttgageag ettggagagt acaaatteca gaatgegeta ttagttegtt
                                                                 1380
acaccaagaa agtaccccaa gtgtcaactc caactcttgt agaggtctca agaaacctag
                                                                 1440
gaaaagtggg cagcaaatgt tgtaaacatc ctgaagcaaa aagaatgccc tgtgcagaag
                                                                 1500
actatctatc cgtggtcctg aaccagttat gtgtgttgca tgagaaaacg ccaqtaaqtq
                                                                 1560
acagagtcac caaatgctgc acagaatcct tggtgaacag gcgaccatgc ttttcagctc
                                                                 1620
tggaagtcga tgaaacatac gttcccaaag agtttaatgc tgaaacattc accttccatq
                                                                 1680
cagatatatg cacactttct gagaaggaga gacaaatcaa qaaacaaact qcacttqttq
                                                                 1740
agettgtgaa acacaageee aaggeaacaa aagageaaet qaaagetqtt atggatgatt
                                                                 1800
tegeagettt tgtagagaag tgetgeaagg etgaegataa ggagaeetge tttgeegagg
                                                                 1860
agggtaaaaa acttgttgct gcaagtcaag ctgccttagg cttataacat cacatttaaa
                                                                 1920
agcatctcag cctaccatga gaataagaga aagaaaatga agatcaaaag cttattcatc
                                                                 1980
tgtttttctt tttcgttggt gtaaagccaa caccctgtct aaaaaacata aatttcttta
                                                                 2040
atcattttgc ctcttttctc tgtgcttcaa ttaataaaaa atggaaagaa aaaaaaaa
                                                                 2098
```

```
<210> 7194
<211> 2951
<212> DNA
```

<213> Homo sapiens

<220>

<221> misc_feature
<222> (673)...(2640)
<223> similar to gi3005599 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7194

tgactaaggt cacaaggcta gtgagtggta gaaccaagtc tcttgcccat ttcctaggtc 60 ttttatatta catcatgcta ctttctctaa gtggtagtgg tcgtcaagag tttgaaggtg 120 acctaaagcc tgacttgagc aacgtagttg tcagatattt gccaaatcta gtataatgag 180 240 gggccatgga gtctagtgtt acacaggaga acctgaaata gcaaggactg attacaatag 300 ataaaactat caccagggca tttcctgata ctctggaaaa ctgaaaaaga aacactgctg ctaaaacgca ctcactgtga ataacaataa tattttttag aaaagtaagt ggcaagtggg 360 420 ggtcgcgcct ggagcggagc ctcggcctcc ggagccgcag ctgcagccct gtattgagct gagatggctc gagcctaaca ttccatgatc caggatcgtg acagatgtgc acaggctgct 480 540 getgttgetg etgtgggtaa tttggaacca egaggeacce eagggecaga agaegaggea 600 ttctgtctgc ctggatgtgt gggaactctc tgccaacttg attggtggat ctggggggg atccacccc accccacgag gaaagcacag tttattttgt gggtggggct tcaggtgcca 660 720 gecagetgaa ggatggecae eeetgtggte accaagacag eetggaagtt geaagagate 780 gtcgcgcatg ccagcaacgt gtcctcactg gtgctgggca aagcctccgg gcggctgctg gctacaggcg gggatgactg ccgcgtcaac ctgtggtcca tcaacaagcc caactgcatc 840 900 atgagectga egggecacae atecceagtg gagagegtee geeteaacae eeeegaggag 960 ctcatcgtgg ccggctctca gtcgggctcc atccgtgtct gggacctgga agctgccaaa attettegea cacteatggg acacaaagee aacatetgea geetggattt ceaceegtae 1020 1080 ggcgagtttg tagcctctgg ttcccaggac acaaacatca agctctggga catcaggagg 1140 aaaggetgtg tetteegata cagggggeac agecaggeeg tgeggtgtet ceggtteage 1200 cccgatggga agtggttggc gtcggccgca gatgaccaca ccgtgaagct ctgggatctc actgccggca agatgatgtc tgagttccct ggtcacacgg ggcctgtcaa cgtggtcgag 1260 1320 tttcacccca acgagtacct cctggcctcc ggcagctctg acaggacaat ccgcttctgg gacetggaga agttecaggt ggtgagetge ategaagggg ageetgggee egteaggage 1380 gtcctcttca acccagacgg ctgctgcctg tacagcggct gccaggactc actgcgtgtc 1440 tacggctggg aacctgagcg gtgctttgat gtggtcctcg tcaactgggg caaggtggcc 1500 gacctggcca tctgcaatga ccagttgata ggtgtggcct tctcccagag caacgtctcc 1560 tectaegtgg tggatetgae gegtgteace aggaetggea eggtggeeeg ggaeeetgtg 1620 caggaccacc ggcccctggc acagccactg cccaacccca gcgcccccct ccggcgcatc 1680 tatgagegge ceageacaac etgeageaag ceteagaggg tgaageagaa eteagagage 1740 gagcgccgca gccccagcag cgaggatgac cgggacgagc gcgagtcccg cgcggagatc 1800 cagaacgccg aggactacaa cgagatcttc cagcccaaga acagcatcag tcggacgcca 1860 1920 ccccggagaa gtgagccett ccctgcaccc ccagaggacg acgcagccac agcaaaggag 1980 gcagcaaagc ccagccctgc catggatgtg cagttcccgg tgccaaatct ggaggtcctg ccccggcccc cagtggttgc ttccacacct gcacccaagg ctgagcctgc catcatccct 2040 gccaccegga acgageceat egggetgaag geeteegaet teetgeeege egtgaagate 2100 ccccagcagg ccgagctggt ggacgaggat gccatgtcac agatccgcaa aggccacgac 2160 accatgtgtg tggtgctcac cagccgccac aagaacctgg acactgtgcg ggctgtgtgg 2220 2280 accatgggcg acatcaagac gtcggtggac tccgctgtgg ccatcaacga cctgtcggtg gtggtggacc tcctgaacat cgtcaaccag aaagcctccc tgtggaagct ggacctgtgc 2340 accaccgtcc tgccacagat tgagaagctt ctgcagagca agtatgagag ctacgtccag 2400 acgggctgca cctccctgaa gctgatcctg cagcggtttc tgcccctcat cacagacatg 2460 ctggcggccc caccetetgt gggtgtggat atcagcaggg aggagagget gcataagtgc 2520 eggetetget acaageaget taagageate ageggeetgg teaagageaa gteaggeetg 2580 ageggeegee atggeagtae etteegegag etgeacetge teatggeeag tetggaetga 2640 ggaaagcagt gggcaggggc gctcggcagc ccacagggcc tggcctcagc ccccactcct 2700 gttccttgtg cacccactgg cccatgagcc tctgcctggc ccctgctgct gtcctgtggc 2760 cgtcctggag gaggtgatgc tggtccctgg ccacctctac agccctgaac tcttgagaca 2820 acteteteca geaatagetg eccagetttg eccaactgtt gettettggg geagegaact 2880

```
<210> 7195
<211> 1623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)...(376)
<223> similar to gil698653 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7195 ggcacgagec gagtegttgg egetgteatg gegggtgtge tgaagaagae caetqqeett 60 gtgggattgg ctgtgtgcaa tactcctcac gagaggctaa gaatattqta cacaaaqatt 120 cttgatgttc ttgaggaaat ccctaaaaat gcagcatata gaaagtatac agaacagatt 180 acaaatgaga agctggctat ggttaaagcg gaaccagatg ttaaaaaaatt agaagaccaa 240 cttcaaggcg gtcaattaga agaggtgatt cttcaggctq aacatgaact aaatctggca 300 agaaaaatga gggaatggaa actatgggag ccattagtgg aagagcctcc tgccgatcag 360 tggaaatggc caatataatt attaagtgac tttggtgtgt tcatgggaaa ctgatgtaat 420 taaatattot gttatattaa gagogtgtto ttattactga cattttgtaa tcaaqaaaaq 480 tgatatagaa aatatgtagg agactgttaa aattggtgat tatggtaata tqqtcatqtq 540 aatcaatttt tgatttataa agtactcaca caagttgttt caaagatgat atttctgtga 600 acagagaggc catgggaaga tttgaaaatt attaaagaaa aattcctaca gattttcaat 660 gcagagacca taatcaaaaa gtaaactttc tttagtagta tgttcaatac atcatttaat 720 tttttaagtt atcctgaaga aggaaaggtc cttaattatt atagtctaaa caaatttata 780 gattactgtt tgaagtaaat aatacgagtg aatattttca aatgtgataa aatagcacaa 840 gtggctggtg ataaaatttg aaattatggt taacctcagc tgtgatctta tgtatgtaaa 900 960 gtcattattg aattatacca tttactctgt tttcttatag tcttaatttt attatttt 1020 gttgttactg tattatattt gaaaaccttc aaattagaat acattgtaca gttaaagaaa 1080 ttgacttggt acttaaaaga aagatttccc attgcataca ggttattgga gaaattttcc 1140 ttttgttgca tttgtggaag ttagttttct ggcccgtggc ctttaatttt cttaatcaac 1200 ctaattacat caggatagag gtagagtttc tgtaaaagaa gagacattaa gagttcctga 1260 aatttatatc tggcatacgg ataggcttat attcaaaaca tcttagtcat acgaccataa 1320 attaaaagtg gagtcactaa atagtttgca gtacgtttct aatataagtg taggtgggta 1380 tcaaaacaag acaaatgctg ttcagggaaa gaagttggca agcttaaggt taaacaaaaa 1440 taaaattaca tgtgttttcg caaaaaaaaa aaaaaggggc ggccgtttta aaggatcctt 1500 gggggggcca aatttaacgc gggcaggcaa ggaaatattt ttttccttat ggggagccga 1560 attataacct acctggggat ttttgaaagg gacccttact tgtgggggga gacataatgg 1620 aaa 1623

<210> 7196 <211> 2023

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (96)...(481)
<223> similar to gi619161 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 7196 gtacgaccqt ctcctggctg ccqtcacttc cqqttctctq tcaqtcqcqa qcqaacqacc 60 aagagggtgt tcgactgcta gagccgagcg aagcgatgcc taaatcaaag gaacttgttt 120 cttcaagctc ttctggcagt gattctgaca gtgaggttga caaaaagtta aagaggaaaa 180 agcaagttgc tccagaaaaa cctgtaaaga aacaaaagac aggtgagact tcqaqaqccc 240 tgtcatcttc taaacagagc agcagcagca gagatgataa catgtttcag attgggaaaa 300 tgaggtacgt tagtgttcgc gattttaaag gcaaagtgct aattgatatt agagaatatt 360 ggatggatcc tgaaggtgaa atgaaaccag gaagaaaagg tatttcttta aatccagaac 420 aatggagcca gctgaaggaa cagatttctg acattgatga tgcagtaaga aaactgtaaa 480 attegageea tataaataaa acetgtactg ttetagttgt tttaatetgt ettttacat 540 tggcttttgt tttctaaatg ttctccaagc tattgtatgt ttqqattqca qaaqaatttq 600 taagatgaat acttttttt aatgtgcatt attaaaaata ttgagtgaag ctaattgtca 660 actitattaa ggattactit gtctgcccac cacctagtgt aaaataaaat caagtaatac 720 aatcttaact gttgtggcct tttttgatca taagagttgg tactgtttaa ggccaaaagt 780 aacagttttt atagatcttt tagtttcaac tcagctttta caataaaaag gatttgtatt 840 gcattgagtt tataaacttt tggtttgtga acttcatatt tgatcttttc tcttccaatc 900 aaatgtctag gcttgtttga cttccacccc caatggtttt tcactctttt tatttacttc 960 attiticetti aataacttaa tetetteatg ticagttitt aetteaetet tiattettit 1020 ctttgattat ggtatgctta tttggaaagt cagtgaaact gtcaaaatgt tatctcaata 1080 agatacttat atgagaacta caatcaccga atctactgta ttcaatatta gcagatctaa 1140 tttgataaac aacatggctt gtgtgaaaac tgagcaggtg tttgtttacc cataqtqttc 1200 tgtgtagtta ttgcttagtc tgcagaaaat aatgacttag atgagatgtc tgacttgctt 1260 tcacttatta aacatgttca ccatgggatg atgtctgtaa catcagatat tgttcaacta 1320 gactaggatt taataaaaat tgtgaaagct tactqqccta acattttatt ttataatatt 1380 gggtatgaat tatatgtatc cagagatgtc attaagcttt actgttatag taggtaatat 1440 ggttagtttg tagggaaaag agcatatgag cacatgcttg tgtattttgg cctttqcccc 1500 atgagaacag accaatggca ttctagactt gatgatacta agttttagca gacactactg 1560 gggggtttgt atttaaccat actgatgaag cagacagatt qaqqcacaqa ttttaqtqqc 1620 tttgtggcaa taaatagggc atggtgtgcc ttaggaaaag aatgtttata aagggaatta 1680 taactgaaat taaaggaggc ggcagtgaag aggaaataat tctcttctat ctaaatgata 1740 1800 aaaaggaaag ttttaaagac atataaaaga ttcttgttga caaattattt ttqqtaqcaa 1860 atctcaaatg gttacctgct attaaggtct gccatattag agttttgcac tattttgcta 1920 ccaagtttga ttcatacatc taaaacattt tgtagttact tgtcaaggac ttaatttgaa 1980 aatcatttgc caggccacat agttatcaat ttttttttct atq 2023

```
<210> 7197
<211> 2226
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(2227)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (36)...(1887)
<223> similar to gi1658503 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7197 cgataatggc ggatatggag gatctcttcg ggagcgacgc cgacagcgaa gctgagcgta 60 aagattetga ttetggatet gaeteagatt etgateaaga gaatgetgee tetggeagta 120 atgcctctgg aagtgaaagt gatcaggatg aaagaggtga ttcaggacaa ccaagtaata 180 aggaactgtt tggagatgac agtgaggacg agggagcttc acatcatagt ggtagtgata 240 atcactctga aagatcagac aatagatcag aagcttctga gcgttctgac catgaggaca 300 atgacccete agatgtagat cagcacagtg gatcagaage eectaatgat gatgaagacg 360 aaggtcatag atcggatgga gggagccatc attcagaagc agaaggttct gaaaaagcac 420 attcagatga tgaaaaatgg ggcagagaag ataaaagtga ccagtcagat gatgaaaaga 480 tacaaaattc tgatgatgag gagagggcac aaggatctga tgaagataag ctgcagaatt 540 ctgacgatga tgagaaaatg cagaacacag atgatgagga gaggcctcag ctttccgatg 600 atgagagaca acagctatet gaggaggaaa aggetaatte tgatgatgaa eggeeggtag 660 cttctgataa tgatgatgag aaacagaatt ctgatgatga agaacaacca cagctgtctg 720 atgaagagaa aatgcaaaat tctgatgatg aaaggccaca ggcctcagat gaagaacaca 780 ggcattcaga tgatgaagag gaacaggatc ataaatcaga atctgcaaga ggcagtgata 840 gtgaagatga agttttacga atgaaacgca agaatgcgat tgcatctgat tcagaagcgg 900 atagtgacac tgaggtgcca aaagataata gtggaaccat ggatttattt ggaggtgcag 960 atgatatete tteagggagt gatggagaag acaaaceace tacteeagga eagcetgttg 1020 atgaaaatgg attgcctcag gatcaacagg aagaggagcc aattcctgag accagaatag 1080 aagtagaaat acccaaagta aacactgatt taggaaacga cttatatttt gttaaactgc 1140 ccaactttct cagtgtagag cccagacctt ttgatcctca gtattatgaa gatgaatttg 1200 aagatgaaga aatgctggat gaagaaggta gaaccaggtt aaaattaaag gtagaaaata 1260 ctataagatg gaggatacgc cgagatgaag aaggaaatga aattaaagaa agcaatgctc 1320 ggatagtcaa gtggtcagat ggaagcatgt ccctgcattt aggcaatgaa gtgtttgatg 1380 tgtacaaagc cccactgcag ggcgaccaca atcatctttt tataagacaa ggtactggtc 1440 tacagggaca agcagtettt aaaacgaaac teacetteag aceteaetet acggacagtg 1500 ccacacatag aaagatgact ctgtcacttg cagataggtg ttcaaagaca cagaagatta 1560 gaatcttgcc aatggctggt cgtgatcctg aatgccaacg cacagaaatg attaagaaag 1620 aagaagaacg tttgagggct tccatacgta gggaatctca gcagcgccga atgagagaga 1680 aacagcacca gcgggggctg agcgccagtt acctggaacc tgatcgatac gatgaggagg 1740 aggaaggcga ggagtccatc agcttggctg ccattaaaaa ccgatataaa gggggcattc 1800 gagaggaacg agccagaatc tattcatcag acagtgatga gggatcagaa gaagataaag 1860 ctcaaagatt actcaaagca aagaaactta ccagtgatga ggtaagacca aatttattca 1920 attctagggg tttatcctgt actcaggagc caactgcttt gaatgaagag ctcacagatc 1980 aggcaggcac aaattagttg tctacacacg tcactgaaat ccagtgagat aaatgcagta 2040 acaagacaga gtgatccaga ggaggatctg atacctgtgc ttagagaggt cttagaaggc 2100 tgcatggagg ataagacttc ttgctgggtg ttgaagagtg atcanaagct tgctggtcaa 2160 actgtcctgt ctctggtagg tcactccgga tagatggaaa ggcctggaag aaaaggtgca 2220 ggtccc 2226

```
<210> 7198
<211> 1425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (284)...(731)
<223> similar to gi32433 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7198 cgcagcccga tattcctgtg gacatttcca ggacggtcag cttggtcccc ccgccgaaga 60 ccacgaagtt gctcccgctt tcatgttctg ccccacagtg gaagtcactc tcatcqtctt 120 cttggatgtt gttgatgatg agaaaccgat tcaggcctga ggccaacact gagaaqcgat 180 tagggatgcc atccccctg gagcccacaa tgccaccggg gcccactcgc atcacaaacc 240 gggggcccct ccctggtctc tgctggtacc ggtcgacgat ttcgttgtcc tggctcttgc 300 cctcatcctg gttctggaat cctcagttca aggttatcct acgcagagag ccaggtacca 360 atgggtgcgc tgcaatccag acagtaattc tgcaaactgc cttgaagaaa aaggaccaat 420 gttcgaacta cttccaggtg aatccaacaa gatcccccgt ctgaggactg acctttttcc 480 aaagacgaga atccaggact tgaatcgtat cttcccactt tctgaggact actctggatc 540 aggettegge teeggeteeg getetggate aggatetggg agtggettee taacggaaat 600 ggaacaggat taccaactag tagacgaaag tgatgctttc catgacaacc ttaggtctct 660 tgacaggaat ctgccctcag acagccagga cttgggtcaa catggattag aagaggattt 720 tatgttataa aagaggattt tcccaccttq acaccaqqca atqtaqttaq catattttat 780 gtaccatggt tatatgatta atcttgggac aaagaatttt atagaaattt ttaaacatct 840 gaaaaagaag cttaagtttt atcatccttt tttttctcat gaattcttaa aggattatqc 900 tttaatgctg ttatctatct tattgttctt gaaaatacct gcattttttg gtatcatgtt 960 caaccaacat cattatgaaa ttaattagat tcccatggcc ataaaatggc tttaaagaat 1020 atatatat ttttaaagta gcttgagaag caaattggca ggtaatattt catacctaaa 1080 ttaagactct gacttggatt gtgaattata atgatatgcc ccttttctta taaaaacaaa 1140 aaaaaaaata atgaaacaca gtgaatttgt agagtggggg tatttgacat attttacaqq 1200 gtggagtgta ctatatacta ttacctttga atgtgtttgc agagctagtg gatgtgtttg 1260 tctacaagta tgattgctgt tacataacac cccaaattaa ctcccaaatt aaaacacagt 1320 tgtgctgtca atacctcata ctgctttacc tttttttcct ggatatctgt gtattttcaa 1380 atgttactat atattaaagc agaaatataa ccaagaaaaa aaaaa 1425

```
<210> 7199
<211> 2448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (189)...(1491)
<223> similar to gil655625 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7199 60 tacgccaagc ttggcacgaa gtgcactgcg cttgcgcggg ttgagggcgg tggctcaggc tectggaaag gaeegteeae eesteegege tggeggtgtg gaegeggaae teageggaga 120 aacgcgattg agaaatggaa aagaaaatga aataaatcag cagttatgag gcagagccta 180 agagaactat ggcaacatca ggtgactgtc ccagaagtga atcgcaggga gaagagcctg 240 300 ctgagtgcag tgaggcgggt ctcctgcagg agggagtaca gccagaggag tttgtggcca tegeggaeta egetgeeace gatgagaece ageteagttt tttgagagga gaaaaaatte 360 ttatcctgag acaaaccact gcagattggt ggtggggtga gcgtgcgggc tgctgtgggt 420 acatteegge aaaccatgtg gggaagcaeg tggatgagta egaceeegag gacaegtgge 480 540 aggatgaaga gtacttcggc agctatggaa ctctgaaact ccacttggag atgttggcag accagecacg aacaactaaa taccacagtg teateetgea gaataaagaa teeetgacgg 600 ataaagteat cetggaegtg ggetgtggga etgggateat eagtetette tgtgeacaet 660 atgcgcggcc tagagcggtg tacgcggtgg aggccagtga gatggcacag cacacggggc 720 agctggtcct gcagaacggc tttgctgaca tcatcaccgt gtaccagcag aaggtggagg 780 atgtggtgct gcccgagaag gtggacgtgc tggtgtctga gtggatgggg acctgcctgc 840 tgtttgagtt catgatcgag tccatcctgt atgcccggga tgcctggctg aaggaggacg 900 gggtcatttg gcccaccatg gctgcgttgc accttgtgcc ctgcagtgct gataaggatt 960 ategtageaa ggtgetette tgggaeaaeg egtaegagtt caaceteage getetgaaat 1020 ctttagcagt taaggagttt ttttcaaagc ccaagtataa ccacattttg aaaccagaag 1080 actgtctctc tgaaccgtgc actatattgc agttggacat gagaaccgtg caaatttctg 1140 atctagagac cctgaggggc gagctgcgct tcgacatcag gaaggcgggg accctgcacg 1200 getteaegge etggtttage gtecaettee agageetgea ggaggggeag eegeegeagg 1260 tgetcageae egggeeette caceceaeca cacaetggaa geagaegetg tteatgatgg 1320 acgacccagt ccctgtccat acaggagacg tggtcacggg ttcagttgtg ttgcagagaa 1380 acceagtgtg gagaaggeac atgtetgtgg etetgagetg ggetgteact tecagacaag 1440 accecacate teaaaaagtt ggagaaaaag tetteeecat etggagatga eagttgatge 1500 tttatttgga aagcagtgtg catatcttga ggggtgatga acacaagcaa accaagttgc 1560 acctggcttc tgcacactcc tgcgaaagtc ggtgaacatt cactccacat tgacccctcc 1620 ctagcctggc aggtgacgtc agggtccttc acagacaaac acgcttgggc tcggcaggag 1680 etgeegtgge caceeeeget geeeagtgte tgeeetetag aagtaggetg tgttteeagg 1740 tgttcacccg tggtgcccac agtgccgacc cgtggctggg tcggagctcc atgttcctaa 1800 gctaggtcta ggtctacact cctaggacgc acgcatatca gcccgtgtac cctgtgacag 1860 tgactgtccc cacctcctat gttagtggtg cccttactgc cgtcgctcat ccactcgtgt 1920 gggacgtagg attgcacagg gctgtgccag tggcgtgtag ggaacactgc cctggctcag 1980 cgtgcgagct aaggtggcga tgtatgcgat gggactctgc atgggatagt acagttgtgt 2040 agacgtcttc caaataaatt atgtgttggt ccatcgcaca tgctcaataa atattttaa 2100 atgagtgaat gtcattgtgt atcctgtttt atgcatatat gttatttttt gtaattacag 2160 gatcatacta tatgcattgc tttataagtt tttctcaata ttgtgaaaaa acttccacat 2220 cagtagatac atgtccataa tttttttttg tattgttttg atttttatta aattttattg 2280 aaatataggc tgggtgcagt ggcttacctc tgtaatccca acactttgag aggctgaggt 2340 gggatgattc cttgagctca ggagttcaag accaccctgg gcaacacagc gagatactat 2400 ctctacaaaa aaaatagaaa aattagctgg gcatggtggc gtgtgcct 2448

```
<210> 7200
<211> 3915
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (3747)...(1146)
```

```
<400> 7200
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aagaaaacaa aacgaaacca aacaaaacag ggcaaacaca tttcttaata agtgcagttt
                                                                      120
gttaaaatca tgttaaaaca tatgagtcaa ggggaagtaa aaataaaggg tatcactgta
                                                                      180
ggaaaagctt ttgggtctgg cacctgggag acccactgga gaggaggcag tgggagaaac
                                                                      240
ttcaagttct gaagggaagg agccccccaa cctccccttc ttccctctca cccactgaat
                                                                      300
cccaccagaa actaccaaga cgcccggaat aaaaggtttc aagttcaata gtcactctct
                                                                      360
ccaaatacaa aaagcagtta caattcaact gaacacagaa gcttgtgtgc aaagttatgg
                                                                      420
ggaactgggg catcgtataa aaagttgggt taaagatgat tctgtggttt ggttttgttg
                                                                      480
tgttttgttt tgtggctctt cctcagtcac ctgaactcag gaaagaaatg cttatcttga
                                                                      540
tgaaatatca acagcccacc cacagtaaaa agacaaattc taaaaattaa aaaaaagcgc
                                                                      600
ataattacca aaaaaaagtc actgcttcct ccccctcccc attttgcttt ttaaactttt
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tttttttaa gttttgattt ttttttaat cctgaaaagt agacagtaaa acagctcctg
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ggagaattta caaccaactg catgagggtc tgggaagctg aggggctgga gcagggttgg
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gagagtgaac aggaggggat tctcccctca gtcactgtag cctcactgta tgatcaaggg
                                                                      840
aggtggggat tatttagtca aaaaggaaga aggtaggaag aacaggaggt ggaaggctgg
                                                                      900
ggaggtgggg acaaacagaa aataaaaggt cattgttgcc tgtttgaatc cagaaaaaaa
                                                                      960
tgcctggccc tatggagggg aaggaagccc ctcagagggg aggcagtggg ctggagggag
                                                                     1020
gcagccctgg gatgacccca tccccagcac cacgggatct ggcgggggca gaggagggc
                                                                     1080
cgaggcaggc gctggtggag gaagccggca ggggcctccg ggagcctctg ggtcacactg
                                                                     1140
gctactgtgt acttgtgcca ccctgtgtgt tcccggagta gctcccgtag tcgtagttcc
                                                                     1200
cgtagtatgg cggccactgg ccctggttct gatagtactg gttccactgc tgggcatact
                                                                     1260
gctgatactg gttatagctg ggctgagggt aggtctgtgc ggtgggggt gqcgqtqqqq
                                                                     1320
tatagggggc cgggttgtaa ccgccgtagc tcccatagtt gtaggcaggt ggtggtggag
                                                                     1380
gtggaggcgg tggggctgtg tagccctggc tgtaacctcc ctggttgtag ggtggctggc
                                                                     1440
tgtaactcgg ctggaaagtg gagggaaaaa agccaaagct ctgtggaggg ctgtagctgc
                                                                     1500
tgacggtggg ggtgctggta ttggcgcttg agccagggat gttgctgttc ttattgtagg
                                                                     1560
tgctggcccc tggggggttc cgagcagggc tgtagctggg tggtggcggt ggctgctggg
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                                                                     1740
tatagecace aceteegetg eggttgaaac eteeteggta gttgeeteet ecacegetge
                                                                     1800
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                                                                     1860
gctggaagcc accaccaccc ccgcggcccc ggaagccacc accacctcgg ttgtcaaagc
                                                                     1920
gcttttcagg gggtggccca gccttgcggc cttcctcgtt gtactgcctc actagcttgt
                                                                     1980
cegetteete cegetgeage teaatgaaca gaaceteate caggaagtee ceaacatetg
                                                                     2040
gcaacgtgaa gttggctttc atttctaaga ccgcatgatc tgggacatcc ttcccttcct
                                                                     2100
cgtcggttcg ctttattgtt cggtctttta ggtcctcgtc agtgggacaa attacaatag
                                                                     2160
ctttgcgctg gaagccttca aatggtctca tttttcgtct ctgggctgac ccataaacat
                                                                     2220
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                                                                     2280
ggcactgggt ggcctgctgg atcaggacat cccagcggcc agcatagttc cgctgccggc
                                                                     2340
gtaggeceat caccegeate ttatecatga tggeattggt acceaggatg ttgtacttet
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tggaagggtt ggaggctgca tgtttgatgg cccatgtggt cttgccagca gcaggcaggc
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ccaccatcat cagaatctca cattctgcct tgctctttgg tccaacggtg ccccggatac
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gctcactaag gggaaggtgc tggatgaagg taaaccccgg gaggacagaa cagtagggct
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                                                                     2640
gggcctgacc ccccaaggct tccttctgga ttcggaaagc aatgcccatc cactttccat
                                                                     2700
tettggtaaa agacagttee aegteattte cacatteaaa ateegeaaag cagecaatea
                                                                     2760
categitete tgeaaactig teteegtagi titeaaaceg getatiggig gaettettee
                                                                     2820
cagtgcctcc atagccatag gagaaaggct cttcgcctag ctgggtgctg caggagtcca
                                                                     2880
gggaccagcc gatacggacc acgtgggggt caggctctgt agacggaagg tgcttcacgg
                                                                     2940
agatttcctc attgatcttc atctcgaagc atacacggcc cctcctgacc ccatagctgg
                                                                     3000
```

```
cacgggctcc tgaccacagg tatgcaaagc cctcaattgt gagcggatag ccactactcc
                                                                     3060
gateteggge cacettgaag tggaggtege agttataggt gteaatagea acaagggtat
                                                                     3120
catcaaagtc atcttcatcc tettcagcag gaggctgagg agagcggccc ctcctatcct
                                                                     3180
ctcggtgctc aaagtacccc cgtccccggt tttcttcata aggcctcttt cgactctgga
                                                                     3240
attgctgcct gtctggcttg agttgagaag cttcaggcgg gaggaagctg gtgggtgctc
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ettgetteat etetgtette atttetggae gataggeetg etgetgetee attteeagtg
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gteteetete gtageetgae tegttttett gtttgatgae ttgggtateg tagaattggt
                                                                     3420
                                                                    3480
tetgeetggt aatattgtee atggeataat gteegteegg eeeegagtag eegeeggget
cegegtgegg etgeageegg ggeggeggtg getgegeggt eccetecage teggageece
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ceteggtete gaceteeteg ttgatgtgee egggtegeee eggttegteg teggegtega
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                                                                     3660
getceegete gtegtcagge teeteggeet ecaaegeege etgeageege teageaaget
eggtettgag geetegagtg teeaggeege ggegetgeag eteetegega agttegttea
                                                                     3720
cetteagacg gegeacatee atggeeeggg ceeeeggggt ggeeeeegag eeeggeeegg
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cctcccaggg ctctgtcccc cttaaacctt tcctgtcagg aggcgaaggg ggaaaggggg
                                                                     3840
ggggcccact ccaatggcgg cagcggctca aaatggccgc cgccaccgcc tccccctca
                                                                     3900
ctcgtgcctc gtccg
                                                                     3915
```

```
<210> 7201
<211> 1730
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1633)...(743)
<223> similar to gi4680701 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7201 ttttttttt ttcaaaagga aatcccaatc tttttattac ggaaagccat caactgggtg 60 tggggagtat gtcagagggt tagtgaaagt ccaggggatt tctcctccaa gtcctaccac 120 acaaaggaaa gtctcaagcc tctattcacc ccttctcaat ccccacaaaa tagggggttg 180 ttcaatattg tcttcaatga taaaaacttt gtggttaaag gtttctcctt aggactagcg 240 acaaagttag gcttatactt ttaatgaaga ccataaacga agccagaagg gcttaaggaa 300 gcaagagtcc ttgggggaaa attcttagcg ttctataccc cagcatctta ccttagggtt 360 aaatctaggt ctaaccaagc tgtgcaggtc aactaagaag gaatgatgaa accacagagt 420 ttcatggaga aaccatggag atgtctgaat agctgataag cagttaacac actgacccaa 480 gcttggaggg aaaccatttc cccctccgtc ctatgagatc tctttcttgc tccagtgaaa 540 cagttggcca cagcatggca ggccttcctg tagggtgcct gacaattccc tagatgcctc 600 tttaaaatca gaagctgcat gctgccccac ccagtcacag ccaaagggaa aacataaata 660 aaaggetgea geetcagget tgtggttatg gaaagageet ggaattgaca ggagaggaag 720 cactgccaaa gtgaggatct tatttatcct tcttgttttc cccatctgac actgtggtgg 780 gggttgaagc cacaggctgc tcctcaggga tattgtctcc agcctttgat agtttcttgg 840 cccgctggta tagctcattt aagttaaatt ctcggatcac attctcctca gagaaggtcc 900 atgagacage cegteettte ttgtcaatet gtggeegeeg cattgeetee ttgecaeett 960 ggaacaggat cagggtaggg agttgcttgg tgaggggtga tgtgctcact ttgtaccgcg 1020 tactaacatc agtatagcgt ccaacatcca ccttcccaaa atttagccct gtacagttgt 1080 atttaaggga gaggtcagca tagatagggg caaatgattg gcagtcatta gaccaattgg 1140 caaagaactc cacaatccaa gtgaccctct tgtcccgttc tagttcctca tcaatggttt 1200 tatcattgaa gtacttgata tactcagggc ccatatatag ggggggtttg cacgtcatca 1260

```
ggaacactat gcagagtgtg atgtaaagta ggcccatgcg aatatccaag cggaagaaaa
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gaattgtgtt ggccacttta ctaaacatga aaatgttgcc tatatgttgc tccacagtga
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tggatctgcg gttcttcatc atcacaatgg cactgagaaa catcaggatc tccacttctc
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tccagtcaaa gtcacacggg ttaccgtctt cgcgttgggt gggcagaccg tggcagagcg
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geggeagttt ceteacgagt aggaaggeag cagagageag ggeegacaga aggtagtaag
                                                                     1560
gttgggcgag ccatcgtgaa agtcgcggca ccgaatacac gagagcaatt agaggtgcca
                                                                     1620
agaccgccat cttttcggcc gtaacggcca ctgctcgccg gcgtcgtagg tctcgcccg
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cctccccac cataacgact gctattgggc tatatcgcaa acgtaccccc
                                                                     1730
```

```
<210> 7202
<211> 2051
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1807)...(116)

<223> similar to gi5764636 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7202 ttttttttt ttaaaaaagg gtcctatgtg gaaatgagtg ggacaatgat aaaaataaac 60 aaataattaa aattocaaat caaaacataa ctootggcoo tgagatocoo agttaatoot 120 ctaagaccac aatctccaca ttgtgaactt gatgctggtg ttcttccatc tcagccacaa 180 ctttetecte agtecteage tetgteteca agatgaetge tttgecetea gtatetteag 240 cttctgggtc cggggctgga tcaatctcaa tgatggtctg cccatcctct gaggtgcttt 300 caacagcctg aattgccgag gttaggccgg actccatggc caccaattcc acagggctaa 360 ccatggtggt catgttgccc agtgtactcc catcctgcat ggcagtagag ctcagcagcg 420 ccaagctaga tgaagggtgg atggtcactg tgtctggtga gctgctcttg gcagaggaga 480 ccactgtggc atagcggaag agctgagggc cagaaggcag tgtgtggaca gtcacaggac 540 tggagccctg gctgagggtg gccactggaa tattgcccat ggaaaatgac tgacccactg 600 gggtgatggt gatgggtgag atgactgtga actgaggctg ctggacagga ggagaagggc 660 tcaagacagt ggtggaggct ggccgctgga gccgggggct ttttggaggc ttaggagtgc 720 teacaggeat cagtaceaea tittgaactg tetgagatit cageetgtga teetggeett 780 gcttcttctg ctcctccaac tggcgttcca agtctgtcag agtatagaga aactgttctt 840 etceetgete tacttggtte ettetgttgt etaaaacett ettgaetgtg tecattaege 900 caaatgtgtg tgctacattg ttgagaacag cagcatctgt gacttggaag ggagcctgga 960 tgagccgctg ctgaactccc ctgagtagct cctctatttc cttctgtata ttgcagacaa 1020 cctcttccat cagccctaca tcagctattc ctttccagaa catcaaagtg tcctctgaaa 1080 tttcctctga gtctttcttt acaccctcct ccgtggccat ggtgacagca gcggtgagag 1140 etgagtteca ttecageeet geetetteea tgetetette tgagatggea atetgegtga 1200 tgctaccatc agccgaagtg ggtgtctgca ccacacttgt ctgctgtcct ggcactggag 1260 ctcttgcact gctgatcaga agatcaaatt tggtgcttct gcaggtattg gagcaaactt 1320 tgtcatgttg gtaaaaatca atctgtccgg agtccatcat tttcctgagc atgatcccac 1380 ccagacgaat agetetette cagteettea gagtggaett gecagecaga tgaacaaagt 1440 gcttggggct gatcaactga tcattgaact tgacacactt cacgtttatt cctggacata 1500 caaacttctt ccagaggagg atggctttgc tctccccaca agttatgggg taagcaattt 1560 ccatatcctc atttgcttct atagtgcctg tatcaatccc ttcttcaatt ttgtgtatcg 1620 tgtgagtttc tactgctaca actgccgtgt tgttctccga cccagcttca taaatccctt 1680 gttgcacagg ctgtaactgc aaaatcactt gggttttagt gtcttcagga ttctcccctt 1740

```
catttccttc agtaggtacc acaaccacat cccccactgg gacactcact tctgcattag 1800 ccatctttca catgaagtca gatagctggg actgctaagc agaattcttt cgcccttgaa 1860 aatcagtgtt ggaaaggtcg ctagagaccc cagtaactct ccttcccgca ctcatagatg 1920 aggaaaatag gccctaaatg aaagaatcac ctcaaccaca attgagggcc aagctagctt 1980 tctcgactcc tctggaggac tctactccat ttacctcccc aaatcctgtt ttatgaagtt 2040 tacactcgtg c
```

```
<210> 7203
<211> 1603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1479)...(560)
<223> similar to gi5441322 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7203 ctttttttt catgtgaggt atttattttg cagccattca gttcagctgt ccagtatcag 60 gttaccaaag acaaattttc aagctcccgg ttaatcccca ccaaagtttc tactgttcgg 120 ctacttcagg atggctaaca tttggagaga agaggatccc ccaggtagtc tgtacataat 180 tcagagagag gacatcagaa ttttccatgg ttctatttca ggtattaagg taccacagtg 240 aagcatgtca tttgactgtg gtggcaaagg gacggcactg agcatgccta acctattccc 300 eggeatttea gteeaateag egeatgeteg caatgateat ceatgggtga aaaggaagag 360 ctgaaagaca catgtgctga gcaacattta atttctgctt gttaaacggg tgattaggcg 420 ccagtgtggc accatccaga cactgggaat ttgtgccact ccatcagttc tgctggctct 480 gctcattctg ctttcctgca gtggatgcca cttcccaaag aaccatgctc caaaaaacaa 540 600 agttgttggg agatggtcca tctctggtgc atcaaaaaag tatgccaagc agcccacaga 660 aagcagcata tggagcaaca caattgtcac aattgtggcc aatgcaacgc gtcggttatc 720 ctcacgaaca gctggccaaa atgtcattgc caagagagat cctgagatgc ccagggcaat 780 catgactaga atccaacgaa cagctttgtg ggggataatc cacagtattg cggtggggat 840 ataaatgaag agggaatatc catagacaca cacaatctcc agaaatgaat aggagacgat 900 gttcataact ttgctgtttc tccacatgag gaaaccccag agtgcaagag gaaccagcca 960 ggcataggca tagatgatgg tagctgctat ggacactttt cggaattcgg gcacataatg 1020 gtacgtcttc tctcccagat ggatcaagaa gttggaaaga ttcccactaa ttgctatggc 1080 aaagaccaac gtggcacata tccaaaaggg gccatagaga tctggattgc tgcggatata 1140 taacctcaca aagtttttcc cgggtattgg caaaagagat cctttaattc tgtcaaagac 1200 ctggtaggtg tccacatcaa agaatgtttg gtagtattca aatgtccaga agggggagct 1260 tttcttctgt ccagcaagta actcagtttt gtcagagtca tcatttccca gtaactcatc 1320 atcttcttct cttcctgagc ctcttgggga tcctggctga tgttttgggg tttcaccagg 1380 atcctcaatg tttactgtgg tggcatctgg gtttgctgtc agagaagtgg ctgcattgcc 1440 aaattettea aattgeaagt eatetaetge tgeeattegg eeagtgagte tteteceaat 1500 tatgaggaag aaaatttgca gggttctcgc ggggttaggc gtcccccggg tcccgagaag 1560 gctcgggcct cagttgctcc gcgccggttt cggtccagcc cag 1603

```
<210> 7204
<211> 1967
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1718)...(603)
<223> similar to gi3341992 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7204 agaaagacac tggatctttt attttttcc tttcattttc tttttcttaa aaaaacaaaa 60 tgaaaccaaa aaaaagcctg aatcaaaacc tttttaggag tagttacaga tattataggg 120 atgggggcgg gggggcacta aaacaaaaga gaaaagcacc agtgagatgt ctttcccatt 180 ttettetete egecaeggaa caegeacaee aacagageee agggecaett tttgeeetet 240 tecettggaa aaaggaggaa cagaagattt aagaattttg aaaggatttt tttettgtgt 300 gaatgtgtgt aaaagtcaat gctataaatc taaaacgagg tctgtttttt taaaaaagtt 360 ctaaaacaac aggaggaaaa cacatggaaa gaaacccctc gcggagacct gcttccttac 420. agatggaggc tettttggag gagagtgtga agggcagagg geteeetgeg eeggcaggae 480 ctgcccggcc accetecact eccetgccat caccetect eteteettt aaaaagcaaa 540 accccactct tgggactcgg gtcgtcctcc gatccctgct ggaaagtgcg gcggctactt 600 ggcgtcgagc ttggccatct cctgcacgta gatgccgatg ctctcgctgt cgaagagcag 660 gaagtacacg ttcttcagcg aggacgcgct cgagtcatca aagtgggctg agatggcttt 720 gagggtcacc tgggccgcag tctgtttqqq aaaqcaqttt ctqccqctqq qqaaaqqcqq 780 gaacgcgacg gactttagct tettgtcctc cgccgctgac aggcagtttt tgatgqtctc 840 ttcaagctgt tcttcacatt tgtcggagcc ccactgaggg atgtgacagt ggatgacaaa 900 tttggctgcg agtccactgg attggctgac ggcggcttcg gcgacttcca aaqqqccttq 960 ggatttgcga agctccttta ccgtttccaa gaactctttt cccccagcct tttccaaggc 1020 tttacctata tcttctttga ggtcaatttc ggctgtggtt gggtggacaa tgccctccac 1080 tctcatggag ccaatatggc tgatgtcact ctgggttaag gacagcttct gtcccagaac 1140 aaggetetta gaagacagaa tggtgaatee ateeeetgge ecatetteag aggtggaatt 1200 tgaagtteet tetttatege tgteetttgg tttggaettt ttggaegtee gtggtttgge 1260 agccttggat ttcttccccc ccttcttgcc tgacgtggcc ttcctgcctc ttttctctgg 1320 gggtgggag aggatcgttt ccgacttgcc tttggtccct cgctttttgg ccagcagttc 1380 ggggtgaatt ctgggcagga cgcctccact ggcgatggtc actcctttta gcagctggtt 1440 gageteeteg teattggeaa etgeeageaa gatgtgtete ggggetatee gggeettett 1500 gttgtccctc gcggcattgc cggccaattc tagaatttcc gctgccagqt actcaatgac 1560 tgccgccatg tagacagggg cgcccacqct qatccqqtac ttqaacqtcc ctttcttcaq 1620 ataacgcatc agecteecca etggaaagat gacacetgee etagetgaac qqqacaqett 1680 ggacattttc ttcttcccac tccggcccga catcttgctt cagtttccct ctcagcttgc 1740 tgacacagtg gcctcccggc actaacacaa tgctggtgct gcgccqcctq ctcccqqcqc 1800 ceggtgeect etgegegeec etecaeggge geaggtttgg eccaegegge geeggtgeeg 1860 ggcaggactc tttgcctttc tttgggttct atctgtgcgt gtcaatgaca acaatcccca 1920 gttctctcgg gtggggggg gggggggggg attaatttaa taaggat 1967

```
<210> 7205
<211> 3407
```

<213> Homo sapiens <220> <221> misc_feature <222> (316)...(3087) <223> similar to gi4803672 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7205 tttcgtccca agataggctt ctgaggtcaa gtcagcgact gaagacggga gcgccagaat 60 ctgcggactc aagagtctag aatcaagtgg aaaaaccgga aaaaaggcca ggaacctgaa 120 tacgacctaa tagctgtttc cgagggggca acttccacgg agaaccttct gccctggtaa 180 cggccaaaga ggaggagatg gcgccagtca gggagcggcc gtggcccaga cagtgaggaa 240 gcgcgaaggc ggagcaaccg aggaatcctc cggagaagaa tcagagccgt cgctaccgcc 300 actaccgcca ccaccatgga aggagcaaag ccgacattgc agctcgtgta ccaggcagtg 360 caggegettt accaegacee agateeeage ggaaaggage gegeetettt ttggettggg 420 gagctgcagc gttcggttca tgcatgggag atctcagacc agttgttaca gatccggcag 480 gatgtggagt catgctattt tgctgcacag accatgaaaa tgaagattca gacctcattt 540 tatgagetce ccacagacte teatgeetet ttacgggact cattgetaac ccatatecag 600 aacttgaaag acttgtcacc tgttattgta acgcagctgg ctttagcaat agcagatctt 660 gccctacaga tgccttcctg gaagggatgt gtgcaaacac tggtggaaaa atacagcaat 720 gatgtgactt ctttgccttt tttgctggag atccttacag tgttacctga agaagtacat 780 agtcgttcct tacgaattgg agctaatcgg cgcacagaaa ttatagaaga tttggccttc 840 tactctagta cagtagtatc tctattgatg acctgtgtag aaaaagcagg aacagatgag 900 aaaatgctta tgaaggtttt tcgctgtttg ggaagttggt ttaacttggg agttttggac 960 agtaacttca tggctaacaa taaattacta gcactccttt ttgaggtttt gcaacaggat 1020 aagacetegt ctaacetaca tgaagetget teggactgtg tatgeteage tetetatgee 1080 attgagaatg tggagactaa cttgccatta gccatgcaac tttttcaggg agtgctgaca 1140 ttggagactg cctatcatat ggccgtggca cgtgaagatt tagacaaagt tctgaattac 1200 tgccgtattt tcactgaact atgtgaaact tttcttgaaa aaattgtttg tactccaggc 1260 caaggtettg gggacetteg aactetggag etgetgetta tetgtgeagg eeateeteaa 1320 tatgaggtag tagaaatttc atttaacttt tggtaccgac tggggggaaca tttgtacaaa 1380 actaacgatg aagttattca tggcatcttc aaagcttaca ttcagaggct gcttcacgcc 1440 ttggctcgac actgccagct ggaaccagac catgaggggg ttcctgagga gactgatgac 1500 tttggggagt ttcgcatgag ggtatcagac ctggtaaagg acttgatttt cttgataggg 1560 tctatggagt gttttgctca gttatattct actctgaaag aaggcaaccc accctgggag 1620 gtgacagaag cggttctctt tatcatggct gctatagcaa agagtgttga tccggaaaac 1680 aatccaacac ttgtggaagt cctagaagga gttgtccgcc tcccggagac cgtacatacg 1740 getgtgegat acaccageat tgaattggtt ggagagatga gtgaagtegt tgategaaat 1800 cctcagttcc ttgaccctgt gttgggctat ttgatgaaag gcctgtgtga aaagcccctg 1860 gettetgetg cagecaaage catteataae atttgetetg tetgeegaga teacatgget 1920 cagcacttta atggactect ggagattgcc cgctccctcg attccttcct gttgtctcca 1980 gaagetgetg tgggettget aaaagggaca geaettgtee tageeegatt acetttggat 2040 aagattaccg aatgtcttag tgaactatgt tctgttcagg ttatggcatt gaaaaagctg 2100 ttgtctcaag agcccagcaa tggcatatcc tcagatccca cagtgttctt agatcgcctt 2160 gcagtgatat ttaggcatac caatcccatt gtggaaaatg gacagactca tccgtgtcag 2220 aaagtcatac aggaaatatg gccagtttta tccgagactc taaataagca ccgagctgat 2280 aatcggattg tagagcgttg ttgcaggtgc ctgcgctttg ctgttcgctg tgtaggcaaa 2340 ggatctgcag cactgctgca gccactagtc acacagatgg tgaatgtgta ccacgtacat 2400 cagcattcct gcttcctgta ccttggcagt atccttgtgg atgaatatgg catggaagaa 2460 ggctgtcggc agggactgct agacatgctc caggcactgt gcatccccac ctttcagctc 2520 ctagaacagc agaatggtct ccagaatcac cctgacactg tagatgacct gttccggcta 2580 gccaccaggt ttattcagcg tagccctgtc accttgctgc ggagccaagt ggtcatccct 2640 atcttacagt gggccattgc ctctactacc ctggaccacc gggatgccaa ttgtagtgtc 2700

```
atgaggtttc tacgagacct cattcataca ggggtagcca atgatcatga agaagacttt
                                                                     2760
gaattacgga aagaactgat tggacaggtg atgaaccagc ttggacagca gcttgtcagc
                                                                     2820
cagetgetge acacetgetg ettitgeete ecceectata ecctaceaga tgtggetgaa
                                                                     2880
gtgctctggg agatcatgca ggttgacaga ccgacttttt gtcgatggtt agaaaattcc
                                                                     2940
ttaaaaggtt tgccaaagga aacaaccgtg ggagccgtca cagtgacaca caaacaactt
                                                                     3000
acagacttcc acaagcaagt cactagtgct gaggaatgta aacaagtttg ctgggccttg
                                                                     3060
cgagacttca ccaggttgtt tcgatagctc acactcctgc actgtgcctg tcacccagga
                                                                     3120
atgtettttt taattagaag acaggaagaa aacaaaaace agactgtgte ccacaatcag
                                                                     3180
aaacctccgt tgtggcagag gggccttcac cgccaccagg gtgtcccgcc agacagggag
                                                                     3240
agactecage ettetgagge cateetgagg agtteetgtt tgggggtgtg agggaaaate
                                                                     3300
agegeggatt ttaaaaagat ggetgtggee tgeeeggegt ggtgggaggg gagetggttt
                                                                     3360
cctggtgaac tttctaaaag gaaaaataat tttaagtaaa aaaaaaa
                                                                     3407
```

```
<210> 7206
<211> 2759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (220)...(2759)
<223> similar to gi4929617 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7206 gtccggaatt gccgggtcga cgatttcgtg ttgaaggcga gagcttgctt ggcccgtgtc 60 gettetgtee caagaacegg acggagagtg agggeacgag ggtegetgte gggggetgte 120 gtettecacg tacacgtegt egtgaggage geagteegga etettecege aacceeteeg 180 getecettte egeaegeete gaggeggegg eggeeaeega gaeagegege gatgetggae 240 cagttgatgg gcacctcccg ggacggagat acaactcgtc aacgaatcaa attcagtgat 300 gacagagtat gcaagagtca ccttctcaac tgttgtcctc atgatgtcct ttctggaact 360 agaatggatc ttggagaatg tctgaaagtc catgacctgg ctttaagagc ggattatgaa 420 attgcatcca aagaacaaga ttttttcttt gaacttgatg ccatggatca tctgcagtca 480 ttcattgcag attgtgatcg tagaacagaa gtggccaaga aaagattagc agaaactcaa 540 gaagagatta gtgctgaagt agcagcaaag gcagaacgtg ttcatgagtt aaatgaagaa 600 attggtaaat tgttagccaa ggtggaacaa ctaggagctg aagggaatgt ggaggaatcc 660 cagaaagtaa tggatgaagt agagaaagca cgggcaaaga aaagagaagc agaggaagtt 720 tatcggaatt ctatgccagc ttccagtttt cagcagcaga aacttcgagt ctgtgaagtc 780 tgctctgcct atttaggact tcatgataat gacagacgac tggctgatca ttttgggggt 840 aaactgcacc tgggatttat tgaaataaga gagaagcttg aagaattaaa gagagtcgta 900 960 gaagaaaggg agaagctgag gaggtcccga tcacacagca agaatccaaa aagatccagg 1020 tecagagage ategeagaea tegatetege tecatgteae gtgaaegeaa gaggagaaet 1080 cgatccaaat ctcgggagaa acgccatcgc cacaggtccc gctccagcag ccgtagccgc 1140 agccgtagcc accagagaag tcggcacagt tctagagata ggagcagaga acgatccaag 1200 aggagatect caaaagaaag atteagagae caagaettag cateatgtga cagagaeagg 1260 agttcaagag acagatcacc tcgtgacaga gatcggaaag ataagaagcg gtcctatgag 1320 agtgctaatg gcagatcaga agacaggagg agctctgaag agcgcgaagc aggggagatc 1380 taactagctg tgtacatttc ttcagtcctt aagcttccta cggagttacg tactattgtt 1440 tagttcacag ctgttcaggg tgacagtgag cagatccaga caccagatcc agctaggcta 1500

```
gatgtacagt atctaacttg atctgaactg aacctgtttt ccttgatgat gcctaaaact
                                                                    1560
acatccatag tttctggtga acctgtaata cagttctgaa agtacagttt tatataataa
                                                                    1620
gatgctgatc tctttattct ttcaagtaag agtgctagtg aacaaattgt gttacttgcc
                                                                    1680
ttgggatttt ttgaacgttt gtaaaatgct gtcttcctag tccaaacagc tgcagctttg
                                                                     1740
ggcatttttc tttttaatta ttcttcctct gactttgtat cccttaatac ctacactctc
                                                                    1800
caattgtaag agaaaggggg cagggaagca atatagcttc cattctaagg ctgtattccc
                                                                     1860
gttatgaatt actagctgat tacagttcag agcattgatc ctggaatgtg tgctggagaa
                                                                     1920
                                                                     1980
atttaaaata ctggggtttt ttgtttaatg gtgcctattt agagttggaa gttgaacagc
tgttgcatta catacttttg cttttttatt gaaattttga aatcaaacgt cttgattttt
                                                                    2040
ctgttctgtt gaattgctat gttcaggatg ttctaggggg tgggggcagg gactcttttc
                                                                     2100
gtaataagca cttgttttat tttgtgtgtg tggagtataa aggctacacc cttattgtaa
                                                                     2160
aaaaataata ataataaaat gaaagaaaca atcaccacca ccattattaa actgtaactt
                                                                     2220
gtctagtaaa ttgtcactag aactatttgc tgtgggcatt tcctctattc tgttacgtca
                                                                     2280
                                                                     2340
ttaacagtgc cttactgtgc aaggcaccaa aggacataaa tacgtacttg caaagattcc
agatgagetg ttcatgtggg ccccttgctg actatattcc agccacttca gggttgtttg
                                                                     2400
taatgaccgt tatagagaag ggctcgacct gcagaagaaa ctggggtgtt tttattctca
                                                                     2460
ttcaacaaac ccaaataaaa acagtatatg taaccaacat aatgagactt aagtttctgc
                                                                     2520
cttgaagagt tgtatatccg ttagtaactt aaactgtaat tggcaggtat cacttgtgat
                                                                     2580
                                                                     2640
tctggaaatt ctgaggaaca cagattcctt aagtaatgaa attagtatct gtgggtatca
                                                                     2700
ttaactaagg tcacctttca agaactgtta atgtcctttg tccccaagtt tgacagattt
                                                                     2759
gatgtcagag gcatgtgggc ctctgtgaag gtgctgagag aatgggaaac taaggccat
```

```
<210> 7207
<211> 2828
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (138)...(1913)

<223> similar to gi30293 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7207
tttcgtgcct ccgtgaaaga ctgccgggcg catgcggtcg gggttgttca ctggctgtcc
                                                                       60
ggggeteege gegegtegee ggeceagete tgtegetgae gggaggatet gaageeggee
                                                                      120
gcaggtcaaa gagtaaaatg aagtacattc tggttactgg tggtgttata tcaggaattg
                                                                      180
gaaaaggaat cattgccagc agtgtgggca caatactcaa gtcatgtggt ttacatgtaa
                                                                      240
cttcaatcaa aattgacccc tacattaaca ttgatgcagg aacattctct ccttatgagc
                                                                      300
atggtgaggt ttttgtgctg gatgatggtg gggaagtaga ccttgacctg ggtaactatg
                                                                      360
ageggtteet tgacateege etcaceaagg acaataatet gaceaetgga aagatatace
                                                                      420
agtatgtcat taacaaggaa cggaaaggag attacttggg gaaaactgtc caagttgtcc
                                                                      480
ctcatatcac agatgcaatc caggagtggg tgatgagaca ggcgttaata cctgtagatg
                                                                      540
aagatggcct ggaacctcaa gtgtgtgtta ttgagcttgg tggaaccgtg ggggacatag
                                                                      600
aaagcatgcc ctttattgag gccttccgtc agttccaatt caaggtcaaa agagagaact
                                                                      660
tttgtaacat ccacgtcagt ctagttcccc agccaagttc aacaggggaa cagaagacta
                                                                      720
aacctaccca gaatagtgtt cgggaactta gaggacttgg gctttcccca gatctggttg
                                                                      780
tatgcaggtg ctcaaatcca cttgacacat cagtgaagga gaaaatatca atgttctgcc
                                                                      840
atgttgagcc tgaacaagtg atctgtgtcc acgatgtctc atccatctac cgagtcccct
                                                                      900
tgttgttaga ggagcaaggg gttgtagatt attttcttcg aagacttgac cttcctattg
                                                                      960
```

```
1020
agaggcagcc aagaaaaatg ctgatgaaat ggaaagagat ggctgacaga tatgatcgct
tgctggagac ctgctctatt gcccttgtgg gcaaatacac gaagttctca gactcctatg
                                                                    1080
cctctgtcat taaggctctg gagcattctg cactggccat caaccacaaa ttggaaatca
                                                                    1140
agtacataga ttctgcggac ttggagccca tcacctcgca agaagagccc gtgcgctacc
                                                                    1200
acgaagettg gcagaagete tgtagtgete atggagtget ggttecagga ggatttggtg
                                                                    1260
ttcgaggaac agaaggaaaa atccaagcaa ttgcctgggc tcggaatcag aaaaagcctt
                                                                    1320
ttttgggcgt gtgcttaggg atgcagttgg cagtggttga attctcaaga aacgtgctgg
                                                                    1380
gatggcaaga tgccaattct acagagtttg accctacgac cagtcatccc gtggtcgtag
                                                                    1440
acatgccaga acacaaccca gggcagatgg gcggaaccat gaggctgggc aagaggagaa
                                                                    1500
ccctgttcca gaccaagaac tcagtcatga ggaaactcta tggagacgca gactacttgg
                                                                    1560
aagagaggca ccgccaccga tttgaggtga atccagtctg gaaaaaagtgt ttggaagaac
                                                                    1620
aaggettgaa gtttgttgge caagatgttg aaggagagag aatggaaatt gtggagttag
                                                                    1680
aagatcatcc cttttttgtt ggggttcagt accaccctga gttcctgtcc aggcctatca
                                                                    1740
agccctcccc accatacttt ggcctcctcc tggcctctgt ggggcggctc tcacattacc
                                                                    1800
tecagaaagg etgeaggete teacceaggg acacetatag tgacaggagt ggaageaget
                                                                    1860
eccetgacte tgaaateace gaactgaagt ttecateaat aaateatgae tgatettgta
                                                                    1920
geggatgatt etteaagaga ceetteaaac ttgggtagag tttacagete tgaetttaca
                                                                    1980
ctcggctttg gagactttct ttaaattatg tttttattaa gattatttta ttatgcggaa
                                                                    2040
aggtatttgg gaaacttgtc acttgcatgt cccatcacgt gtactggctc ctctgtggtg
                                                                    2100
tctgcctgtt gcgtgacact ctccttgcag ttcttgagtt gcggcagaac atcgcgatgg
                                                                    2160
gaaccgatgg tgggtggggc tgcagagtgc cccatcggtc accttgtttc tcaactacct
                                                                    2220
cgcatcattg cagatgctag cgcgttgcct gtcgctttcc cttggatacc tagaccgtta
                                                                    2280
taaagtgtgc cacatggact taccgagcat ggagagagga ttttagctag gatttgaaca
                                                                    2340
cttggtgctg ggaacctcag ggtattgctt gccactaagc catgaaacca gagacaaaat
                                                                    2400
ctctatactg ccctgagttg gggggaattc tcagtgccaa ctgtggctgg tcctcattca
                                                                    2460
aagggacggt cagtttggtg tcaacatgaa acaccaagat gtctgtctct gaagcgtgat
                                                                    2520
tttaaaatcc ccatgcctgt ggctgcgctt cctatttcta gggctgggaa acactccttg
                                                                    2580
catcaagggg tcacttacag aacaaagaat cttttggggg aaacttcctc taaaaccctc
                                                                    2640
tcatatatag acagctttga ctggagggtc catttttctt ccaggatggt gttactgcag
                                                                    2700
ttgaaagggc aatatgaagt tactttctta atgtgaccta gcaataggca tagctacgtg
                                                                    2760
gcactatatt ctggccagac tcgatgtgta ctctaactta agaaataaat cagtaaggca
                                                                    2820
gaacaaga
                                                                    2828
```

```
<210> 7208
<211> 869
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (170)...(802)
<223> similar to gi3355533 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7208
ggcacgaggt cttaatgact aacacacctc taacatttca cctctagctc agatgagaga 60
gagaatggga cttcttggta ctgattgttt ttcccatgcc tcaattggtt tcttttaggg 120
agctacaaat ttacgggttc actggtgatt gatcttttca tccagcacaa tggacagaag 180
tctaaggaac gtccttgtgg tttcctttgg gttcctgctt ctctttacag cctatggagg 240
tctgcagagc ctgcagagca gcctgtacag cgaggagggc ctgggtgtca cagcgctcag 300
```

```
caccetetat ggaggeatge teetgteete catgtteete ceacegetee teategagag
                                                                      360
gctgggctgc aaggggacca tcatcctctc catgtgtggc tacgtggcct tctccgtggg
                                                                      420
caacttette gecagetggt acaetttgat ecceacetee ataetgetgg gaetegggge
                                                                      480
cgccccgctg tggtctgcac agtgcacata cctcacgatc acgggaaaca cacatgcaga
                                                                      540
gaaggcggga aagcgtggca aagacatggt gaaccagtat ttttggcatct tcttcctcat
                                                                      600
attocagtca tccggtgtgt ggggcaactt gatctcatcg ctggtatttg gccagactcc
                                                                      660
cagccaagag accettecag aagagcaget cacgteetgt ggggecagtg actgeetgat
                                                                      720
ggccaccaca accaccaaca gcacccagag gccctcccag cagctggtct acaccctcct
                                                                      780
gggcatetac actgggagtg gtgtcctggc tgtcctgatg atagctgcgt tcctccaacc
                                                                      840
catacgagat gttcagcggg aaagtgaag
                                                                      869
```

```
<210> 7209
<211> 3677
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3587)...(1476)
<223> similar to gi296366 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7209 ttcctaattt tcagatcaag cttcacagca aatattaaag attatttaaa tttgaagtcg 60 atgttttggg aaatcagata taaaagtgtt ggtactgtgt ttgaccccca cgttttttgg 120 tatacttatt tggtagaagg ttctttacat tctgatctag caaaataatg aacacccact 180 tgctggtaga cacagetgag egeceggaet teaagtggaa gtttatetga geceagatet 240 cagtagccag accccgtccc tgccccctga agggagagca tttgggggtg agtcctttca 300 aagaagagcc aatgcattag taatttgttc ttcaggcctg acagaagctt agcttccaaa 360 tacaaacaaa cagcacttaa aataatttta gcaaggcacg aagtaccaat tactacccac 420 etecatetga taattgteag categattea acteggtgea eggetettge ttetgettee 480 cagcaaagtc tgaaatgtat tccaaggatt tcagaaccaa atgaaaatgc agctgctgtg 540 atctttagta acctcattct ctgttgggag agctcactta ctcttcaact taatggcaga 600 ctgtgatcgc taactgcatc tggcacaaaa acatgatcat tatttttagc ttcttttgct 660 taattggaaa cttgcttcac aaaaacaca aaaaggctac gctgggtctc agctgatgag 720 ctcgtggcgg ccctgtgctt gatgagggcg gtgaggcagc ccaagctcct tgtgactgcc 780 ctggcttgtg caatggggaa gggaccaggc agcgcgctca tcctcaaaac aaacaaaaac 840 agtggagaca gcaccccgg ccaaccagga agcttcaggg tgacctccag gggagtcagc 900 caccaacagt acacccacat agagacacag caggaaaggg attgccaaaa tctgcatttg 960 cagtetetgg teettaggaa gttttgaaaa teageaceag gagtgaggge eteaetteta 1020 gaagtagtaa ggcaatcaga tgaaaaaatg gcaagtgcta atttaataaa gcaaggcaga 1080 gaactgactg acatttatat caatctctta aaaggatcac aaagaaatgc tggtagtcta 1140 ctggcagagc ctggtcgcct atgtgtacat tgtcttcatt caaagaaagg gcaaactaat 1200 atttagacaa atgctcagtt ttattgattt aattttgaca ctagggaatc tcacagcaga 1260 agtacaaatc atatgtacaa gtatttatat caatgaaaat ttccattggt gattttttgg 1320 cagaatattg gtcttgactc tgtggaataa atgacgacgt aaacgtagct gcacaggggt 1380 gttcctgtat aatgcttgaa tcaattgtgt gtgaaagcat catgcaaatg gctaattaaa 1440 ttgggtgatg actgaaaggt tataaatcct tcattccagc tccacgagca gatccccttc 1500 tecaactgtg tetecagett gacagtgcac agattteace gtgccagttt teccagetgt 1560 catactattc tgcattttca tggcttcaat cacacaaatt tcttgacctt ctgctaccgc 1620

```
1680
gtctccaggc ttgacagaga cggccaccac cactccgggc atcggggaac gcagaacact
                                                                     1740
gcttgtgtcc tcagtcactt tttccagcat aaatttgttc aattctgcgg caagtctggt
                                                                     1800
taagatattc accttgtaca ctgtaccaag aaactgaatg ctcatgtttc cacctgcttc
tcgagaaaga cactggacag tcctctgagt gccatcaacg ctgacagaca ataagggcga
                                                                     1860
agccaggttc cacgtgctgg tcacatttag tttcgaccca tcaacttcca ccgagaacac
                                                                     1920
tgacccattg tttgatgcta ctacggtatg aactttatca tgcaatttta ctgagagctc
                                                                     1980
                                                                     2040
ccaqttggct atgtctggtt taataacagg cattcttgaa ttttcttgaa aatgttgtgc
tcttaactgg aatgccacaa acaatgatga tgctattgcc aataactggt tcttctcact
                                                                     2100
cttggttagc atgtgtcctt tgaagccatc aggatacaca tcggagagaa atttagtgct
                                                                     2160
gatgtctcct tttacaaagc gtgagttgat tatcacctct cgaagtaatg caatattatg
                                                                     2220
tgtaacacct cgaataacat agttatccag tgcatctgcc attctcttca gtgcctcagt
                                                                     2280
tctatcagag ccatatgtga ttagttttga aatcatagga tcataataaa tgctaatatc
                                                                     2340
                                                                     2400
acttectggt tggatgecae tgtecaeteg gacaccaggt agatgtaaeg gttettggta
                                                                     2460
ctgagacaat ctcccaatag atggtaaacc aaaagacttg taggggtcct cagcataaac
                                                                     2520
ccgacattca actgcccagc cgttgatgcg aatatcagct tgtttgtgcc tgagagggta
                                                                     2580
gcccttagca acacggatca tttcctggac taggtccagg ccagtaatgc attctgtgac
aggatgetea acctggagte ttgtatteat ttecaagaaa taaaaattet tettagagte
                                                                     2640
                                                                     2700
cacaaggaac tccacggtcc cagcagagga atattttact gctctggcaa gagctacagc
                                                                     2760
ttgttctccc atcgctcttc gagtctccgc atccaaaaaa atgcttggtg cttcctccac
                                                                     2820
caccttctga tttcttctct gaattgagca ctctctttca ttaagccata aagcattccc
atgtttatca cctagaacct ggatttctat atgacgagga ttatcaataa atttttctat
                                                                     2880
tagtagteta teategeeaa aactagaage agettettga gatgacaate taaaaceate
                                                                     2940
cctggtctct tcatcatccc aagcaatgcg catgcctttc ccaccaccac ctgctgaggc
                                                                     3000
cttgatcatg acagggtage caattteeet tgeaattetg acagettett etgeateett
                                                                     3060
gactactcca tcaaagccag ggattgtatt aacctctgct ttcttagcta ataatttgct
                                                                     3120
ttcaatcttg tcgcccatgg cttgaatagc atgtgtgtca ggtccaatga aaacgacatc
                                                                     3180
                                                                     3240
ttctgctgcc aaacatctgg caaattcttt gttttctgaa aggaatccat aacctggatg
                                                                     3300
tacagettgg geeetggttt tettaatgge ttecatgatg geatecatgt tgaggtaget
                                                                     3360
tttactggtg ggagctgggc caacacagac agcctcatcc gccattttca catgaacaga
                                                                     3420
actagcatca acatcactgt ggatggcaac tgtcttaatg cccatcttct tgcaagttct
                                                                     3480
aataacccga catgcaattt ctcctctatt agcaacaaga attttatcaa aagttttttc
                                                                     3540
attaggatca tatcccactg aaccaagatt acgggacacc attaagcact gtcttgaata
                                                                     3600
gtacagaaca tgcttcaggg tccgcagcgc cgcgctcagc atcagctgct gcggcggcca
                                                                     3660
cegeceaege egteeggeag egaceagegg tgetgteeeg acceagaace cegecattgt
                                                                     3677
tgtccccgca acgaaag
```

```
<210> 7210
<211> 4079
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (52)...(2655)
<223> similar to gi5817200 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7210
cactccacac gagaaaacct gaatgctggc aactttaact tcccttctga aggacatctg
gtacgaagca ctggtcccgg cgggagcttt gccaagcaca tggtagccca gtgtgtctca 120
```

```
ccaaagggac ctcttgcttg ttcgagaaca tacttttttg gagctactca tgttccttac
                                                                      180
                                                                      240
ttgggtggtg acagcaagct gcccaagaaa actgaacaaa ttaggctatt gtcccagata
                                                                      300
tatgctgctg ttattgaggc tgttttggct ggcattgcat gttatgctaa aacttccagt
                                                                      360
ctaacaaagg ccaaggaggt agcagagcaa actctgggat ctgggttaga ttcctttgag
                                                                      420
ttgattccgt ttaaggcagc cctgcgctcc aagatgactt ttcatataca tgctgtgaat
aatcagggaa gaattgtacc gctggacagt gaagatagct tatcctttgt gaagacggct
                                                                      480
tgtatggccg tctatgacat tcctgactta ctgggaggca atggttgttt aggatctgtg
                                                                      540
                                                                      600
gttttctctg aatcattttt gacttctcag atcttagtta aagaaaagga tggcactgtt
accacagaaa ccagctccgt agtcctgact gctgctgtac ccagattctg ctcctggctg
                                                                      660
gtggaagata atgaagtaaa attgtctgag aaaacccacc aagcagtgag gggggatgag
                                                                      720
                                                                      780
tettteetgg geaettatet aacaggagga gaaggageat atetttatte cageaateta
cagteetgge etgaggaagg gaatgtteat ttetteteta gtggeettet gtttteteae
                                                                      840
                                                                      900
tgtcgtcatg gaagtatcat catttccaag gatcacatga attccatttc cttctatgat
                                                                      960
ggggattcca ccagtactgt tgctgctctt ctcatagact tcaaaagctc attgcttcct
cacctcccag ttcatttcca tggatcaagc aattttctga tgattgccct tttccccaaa
                                                                     1020
tcgaagatat accaagcatt ttactcagag gtcttctccc tctggaaaca gcaggataac
                                                                     1080
tcagggatct ctttaaaagt gatccaggaa gatggattat ctgtggaaca aaagagattg
                                                                     1140
cactccagtg cacagaagct cttcagtgcc ctgagccagc ctgctgggga gaaacggagt
                                                                     1200
tecctaaagt tacteteage caaacteeca gagetggaet ggttteteea geatttegee
                                                                     1260
atcagcagca ttagccagga gcctgtgatg cggacccatc ttcctgtgct gctgcagcaa
                                                                     1320
gctgaaatca acactactca cagaatagaa agtgacaagg taattatcag cattgtaacc
                                                                     1380
ggcctcccag gctgtcacgc tagcgagctc tgtgcttttc tggtcactct gcataaggaa
                                                                     1440
tgtggcagat ggatggtgta tcgccaaatc atggacagct ctgaatgttt tcatgctgca
                                                                     1500
                                                                     1560
cacttccaga gatacettte cagtgeecta gaggeecage agaacegete tgegegecag
                                                                     1620
tcagcctaca tccgcaagaa gaccagactg ctggtggtgt tacaaggcta cacagatgtt
                                                                     1680
attgatgttg tccaggccct gcagacccac ccagactcaa atgtcaaggc ctccttcacc
attggtgcca tcacagcatg tgtggagccc atgagctgct acatggagca cagatttctc
                                                                     1740
tttcctaaat gtcttgacca gtgttcacaa ggcctggtga gtaacgtggt attcaccagt
                                                                     1800
cacaccaegg ageageggea eceteteett gtteagetge agageeteat eagggetgee
                                                                     1860
                                                                     1920
aatcctgctg cagccttcat tcttgcagaa aatgggattg tcaccaggaa tgaagacatt
gagetgatte teteagaaaa cagtttttea agteetgaga tgetaegate tegatattta
                                                                     1980
atgtatcctg gctggtatga aggtaaattg aatgctggat cagtctatcc cctaatggtt
                                                                     2040
cagatotgcg tatggtttgg cogtocottg gagaagacto gotttgtggc caaatgtaaa
                                                                     2100
gcaattcagt cctccatcaa gccaagtccc ttctccggaa acatctacca catcctgggc
                                                                     2160
aaagtgaagt tttcagactc tgagaggacc atggaggtct gctacaacac actggccaac
                                                                     2220
                                                                     2280
teettgagea teatgeeagt tttggaagga cecacaceae caccagacte caaaagegta
teteaagaca geagegggea geaggagtge tacettgtgt teateggetg etecetgaag
                                                                     2340
gaagacagca tcaaggactg gctgcggcag tcagctaagc agaagcctca gaggaaagcc
                                                                     2400
ctgaagacca gggggatgct gacgcaacag gagatcagga gcatccacgt aaaacgccac
                                                                     2460
ttggaacccc tacctgcagg ctacttttat aatggcaccc aatttgttaa cttctttggt
                                                                     2520
gacaaaactg attttcaccc actcatggac cagttcatga atgactacgt ggaagaagcc
                                                                     2580
aaccgggaaa ttgagaagta taaccaggag ctggaacagc aggagtatca tgacctcttt
                                                                     2640
                                                                     2700
gagetgaage eetagaggaa ggetgggeee gtaegteetg eagaatgtee acettggaga
tggacgaacg ggtgtcttaa cctcagctct cctggaggcc tctcccttaa ggggctgtct
                                                                     2760
ttgttctcct tggcctgtgt gggctggctt gagtgcatgt tgtctttatt ccctgtatag
                                                                     2820
cgctgaagag catcacctgc accattgatt ttgggggtcg ggggaatact caaggatgag
                                                                     2880
cagatggggc ctgcccgtct acgtgtgcaa ctggcagtcc aggagctctq qqtttctqat
                                                                     2940
aacaggatct cctttgggct cttgaggttg gggagaagca ttaggattac acagaggagc
                                                                     3000
tactgggact tagaaggaac cetggetgee tgaactgtgg cegtgtetgg gaggegagge
                                                                     3060
cacgacaggc ctcaagcctc agatgctgct ccacgagagc catcttcccc agtggagtgc
                                                                     3120
etgeeteece tgetaggeee gttteeetga aggagetgge egtaetggee gtgggeecag
                                                                     3180
tcctgggagg agcagcacag ccttgcccag gcccagtcca cagagccagc agcttgggtt
                                                                     3240
gagatgaatg atgtgttcac aaatgagggg atttcccttc tggactaaac tgaaggagag
                                                                     3300
gcttgttgct ttccagaggt gtgtggctct taagttgaca tcagcttttc cccttgtggg
                                                                     3360
tggttettta geteteetgt cacaccatte gggtgteeta atgtagggae aagageaage
                                                                     3420
etgetgetea ggeceeetgg egaggettea ceteaetgtg gaagggggeg teetgeaget
                                                                     3480
ggttagtctt aggcctggtg gctgatcact tgtggggtca gtctccagca cccagcgctc
                                                                     3540
```

```
3600
ccacaaqcct tqccaaqqaa ggcctgcttt tcagccacaa acttcaggaa actcatcccc
ccgctcccca aagtgttgtt gctggccctg ggcttgtgtg gctcctgagg attgggaatt
                                                                     3660
tcaaataatt gcaatacctg agttagaatt ccttctaatg gcatcgtttt aagctggacc
                                                                     3720
                                                                     3780
ataaagcaga ggggaattac aagtgtgtcc catgcctgac cttcataatt ggtgtggggg
acaggggagt cacagccact gatatttagg tgatgtctct taggacttca gtgcctcagc
                                                                     3840
                                                                     3900
tgcctgaact gtaaatgttt tctgaatttc acatattttt ttttgcatgc cttaggaaga
                                                                     3960
agcacatagg taaaaccagc agtttccagt aatatagggg gtttttgagc aaggcccctg
gagcagcgga gagacaagat ggagcacatg tagtctgtgt gcctggtcac acagaggcct
                                                                     4020
gcatgcaagt agcaaagcag ctctcaaggg cttgtcagta aaatatatta aaaaaaaaa
                                                                     4079
```

```
<210> 7211
<211> 1839
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (182)...(1100)
<223> similar to gil200232 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7211 atggaacget gtggtatcga accgcagttg cagggtcgac ccacgcgtcc gcggacgcgt 60 gggggggtgc ggaggtgtgc agegegetgt cagactggct cgcaggeggc geggeeggeg 120 gaccegtteg agacagegeg ggeggetegg gteeeetggg geteegeage aggaggaege 180 catggacgac aaggagttaa ttgaatactt taagtctcag atgaaagaag atcctgacat 240 300 ggcctcagca gtggctgcca tccggacgtt gctggagttc ttgaagagag ataaagggga 360 gacaatccag ggtctgaggg cgaatctcac cagtgccata gaaaccctgt gtggtgtgga 420 ctcctctgtg gcagtgtcct ctggcgggga gctcttcctc cgcttcatca gtcttgcctc cctggaatac tccgattact ccaaatgtaa aaagatcatg attgagcggg gagaactttt 480 tctcaggaga atatcactgt caagaaacaa aattgcagat ctgtgccata ctttcatcaa 540 agatggagcg acaatattga ctcacgccta ctccagagtg gtcctgagag tcctggaagc 600 agccgtggcg gccaagaagc gatttagtgt atacgtcaca gagtcacagc ctgatttgtc 660 aggtaagaaa atggccaaag coctctgcca cotcaacgto cotgtcactg tggtgctaga 720 tgctgctgtc ggctacatca tggagaaagc agatcttgtc atagttggtg ctgaaggagt 780 tgttgaaaac ggaggaatta ttaacaagat tggaaccaac cagatggctg tgtgtgccaa 840 agcacagaac aaacctttct atgtggttgc agaaagtttc aagtttgtcc ggctctttcc 900 actaaaccag caagacgtcc cagataagtt taagtataag gcagacactc tcaaggtcgc 960 gcagactgga caagacctca aagaggagca tccgtgggtc gactacactg ccccttcctt 1020 aatcactctg ctgtttacag acctgggcgt gctgacaccc tcagcagtca gcgatgagct 1080 catcaagctc tatctgtaac ctgtgagccc tttcctgcca aggtgcagct tacgtagttg 1140 aggcagggtg agtagctgct tgacacccca gtgagtcagg ccaaaactga gatgtgttta 1200 atgaagattt atggagtaag gacttaaaat catacatctt ggagaacctt tcttactcat 1260 ttcagtccca tctaaaaatg tgtcagctat tctaaatccc aacttaaatt gttcttacgg 1320 tttctagaaa ctttcctttt cagtttccag aaatacaagt tagataattg gctacttaac 1380 tgatgaaaga tgagcccaag tccacctgtc ttcatcctcc cctgcactcc agactgatct 1440 gcctaaagca cgcgagatgc aggcgaaaag cagccacacc cctctgccac aaatgaccaa 1500 cagctggtca ggacgttaca cgcggtgcct tgtaagaggc aagaaacact tgccgaatct 1560 gcatctggct tccagtggta agcacattcc tcagcaggat caagccaaac agtaaaaact 1620 accaagagaa cacgaggaag gcagaaacga tgtttagcaa cagtattctg catggttcac 1680

```
tgcttaagaa aatgccttct ggaatatttg taaactgaaa ttctgtatgt gtaagagatg
                                                                    1740
tttaaatatq tttqqqtcct aaacagcttt ttaaaattat acttgggaat aaattcagca
                                                                    1800
tcttttcaaa taaactctat gaaagacgca aaaaaaaaa
                                                                    1839
     <210> 7212
     <211> 573
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (238)...(421)
     <223> similar to gi31435 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7212
ggcacgaggg ggcgtaagac ggggagagtg gcagctccga gtacacggag aagaactgga
                                                                      60
aacatgcaaa aactccaaac acggtcccct gccatgtccc tgtctgaccc aggcctgggg
                                                                     120
taccacccca cgtgctggac cctacgctgg ccacccctgt gctccctcca cgccctccac
                                                                     180
gtgttccact gcctcttctc ttctcgcttg ggaactccag tctcacctcg gcttgcaatg
                                                                     240
qaccccaact geteetgeqa qqetqqtqqc teetqeqeet qeqeeqqete etqeaaqtqc
                                                                     300
aaaaagtgca aatgcacctc ctgcaagaag agctgctgct cctgttgccc cctgggctgt
                                                                     360
gccaagtgtg cccagggctg catctgcaaa ggggcgtcag agaagtgcag ctgctgtgcc
                                                                     420
tgatgtcggg acagccctgc tgtcagatga aaacagaatg acacgtaaaa tccaggattt
                                                                     480
tttttttttt acaactccga ctcatttgct acattccttt ttttctgtga aatatgtgaa
                                                                     540
taataattaa acacttagac ttgaaaaaaa aaa
                                                                     573
     <210> 7213
     <211> 6411
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (6408)...(0)
     <223> similar to gi5689369 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
```

<400> 7	7213					
ttgcgaagat g	gatgatatgg	ccaagccaag	gaagggaacc	tacagtgaag	agtacaggtg	60
tctctgatct a	acatatccaa	gaactgcaag	aaaaatgtcc	agatgggcat	cagataccta	120
gtccagtcct t	ggcaaaagt	ctgggctttg	gaaaccaagg	gcaagaggcg	atgacaacta	180
atctatagta a	attaaaactc	ccacccccct	attaagactc	caccctccca	catcccccaa	240

```
300
gcgtgatttt gcacaacaag ttaaataaaa gtaaactgtt ttattaaaag atacagcaaa
                                                                      360
ggtacagata cagagataca tacaaagata cagatatata tatatatta catatatata
cagtettget gtttteatgt geactatatt tageageaca ttatttaate aggeggeatt
                                                                      420
ttaatggggt tgttttgaca cttggcatta ttaagataca actatagccc cgtggaaatt
                                                                      480
tcaacgtttg aattccactt ctccgacttt taatagtagc aaagagggga aggagaaggg
                                                                      540
aatggagtac caaggctgag cattaggtta aacacaagaa tttaaaaaggg ccaaggtagc
                                                                      600
aaagggaagg aaaaataatt aaaattaaag gctatctgac aaacaaccca gagaaacagt
                                                                      660
aagaaaccat cattaagggc aatgggctat gtacccaaga tgctcacatc aacctacaat
                                                                      720
gaccttttcc aatccagttc ttgtgttgaa cctgaggatc tgccctctcc gatcaatccc
                                                                      780
tccacccgat aaatttgcta ccaccaaaat ctagagctat agagccttga aagcaaaatc
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gggaagctaa atagttgtac cttggactac cttcccacaa gtgcagggag ggcccaatgt
                                                                      900
tgggtaggga tgtgataaca ctgttctctg caattcgatg cttttcactt tgtggcttgg
                                                                      960
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                                                                     1020
gtcgtctaac ccggccctgc cgtttaaccc ggccctctga gggcaaattg ctgctgaaaa
                                                                     1080
cattatcatc atctttgttt tetteaceat tttteteeac aggaacecat tetecataaa
                                                                     1140
cactateege ttetttttte egatgttgag atecagatga tacagggaat tettttgtta
                                                                     1200
atgttacctg gctttttggt ggagttggtt ttgctgcagc aatattcaga ttgaaaaaa
                                                                     1260
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                                                                     1320
catccgaaac atgaggttta ttcactatta catcatcatc ttctttactc tgtgcgatct
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gtttacattt ctcagttagt tcttctatag tagctcctcc tgacttttta gcaactttct
                                                                     1440
cttctatagt aggtggaggt gcaggcttta ggtttggtgg taaagggaca ccagccttag
                                                                     1500
cacacatggc agetgcatta getttggcta tttcaagtaa ttgagcetta tecaaatetg
                                                                     1560
tcagacgttt gggtgatctg cctcgttcag aagacctgga tcttttacga cggatgggag
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                                                                     1680
tgaagetteg tettettace acagacettg atetteteeg geggettggg gtgcqqctee
                                                                     1740
gacggctagg ggtgcggctc cggcggctgg gggtgcggct gcggcggctg ggggtgcggc
                                                                     1800
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                                                                     1860
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                                                                     1920
tecgaetecg acgaettggg gttegaette gagetetaac tgtetttegg ttatecetgg
                                                                     1980
agettgatet ttttttttt ettteeetag aettggatet gtgetttgga gatettttge
                                                                     2040
gcttctcttt tgatacagat cttcttcctc tagactttga tcttgatctg ctgcttctcc
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tectgegtet tgaacgtgac egtgaacgtg tetgagageg atgagaettg gaettagatg
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                                                                     2220
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                                                                     2280
tatcacggtt cttattttc ttgcttttt cgtgagtgtc cttaactttt acaaaaattt
                                                                     2340
cataatcatc tttttcctct gaagaagact ctgaagctct ttctggcata ctacttacaa
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ccgggctggc agcagatctg tcacgtccaa catcacttgc aagtaaaggt ccttcaatgc
                                                                     2460
cagctctaag gcttgtaaga cgttccatgt ccttaggaag taacggtctc actaaatctg
                                                                     2520
cttcattaat atcctcaata ttggcagaaa atcctgaatc aggcagtgtc tctttaggag
                                                                     2580
ggggaggtac ttcttttct cctccactac tttctttagg gctgagcaga gctgctaatg
                                                                     2640
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tagatggtaa atcaagatga atatetttag caggcaaagg ccettcaatg tcagettcae
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ataaatcaac atcatattta ttaactaaac tgagagtaga tgctgtggta aattcaatac
                                                                     2880
ccttactagt tcctgttgca tcaggttcca gagcaaaagg accagtagaa gatagagttt
                                                                     2940
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                                                                     3000
cactggtggg caaaattttc tcttcaccaa tttccccaac aggactagta ccagcagcac
                                                                     3060
acactgtatt atgttccatc tctttagcaa ttaaatgatt atttatatta aggtctatat
                                                                     3120
ttataccatg ttcactttcg taaaagtcac ctttcaggtg ttcctcagca tgtggttctt
                                                                     3180
cacctgaatg caatgcaatc teetgcatge caatetetgg agcaagattt tgatcaccag
                                                                     3240
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gtgtggactc tatagccacc tcagttggta ttacttgagt ctgctctgag actgtgacag
                                                                     3360
caggetetga aactgteaca gtegatteet ggacagaaac agatggttet gaaacaatea
                                                                     3420
tagaaggttg aaggactgac accgctggtt ccagaacagg cacagaaggc tccagcgcag
                                                                     3480
aaacaactgg cacaggaatg gtaacatagt ctggctcagc cacaacagga ggctccggga
                                                                     3540
cagtcacaac cgaaggctct aggacagtta cagtcgaaga ctccaggaca gtcacagtcg
                                                                     3600
aagactccag gacggtcaca gccgaagact ccaggacagc catagctgaa gactctgggg
                                                                     3660
```

```
cagccatggc tggcggctcc agaatgctct ctgccagcac tggagtagtt actgctggaa
                                                                                                                3720
ccaacaagga tgtagatact tctgaggcaa catgtcctga ggctctcatg gaatcaaatg
                                                                                                                3780
tttctgctgt ctctgacata acaggaggct ctgatgctaa cacagttggt tcagctgaca
                                                                                                                3840
tggcgggagt ttcagatacc atacaagtca ctggtctctc tggaacaact tcatgttctt
                                                                                                                3900
etgetactac tgcagactet acaggtgtta acgtaattga agattetgge tetggtggtg
                                                                                                                3960
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aataatcagt aggcactgct gaaggctccg aaatctcact ttgactcaca ggaggctcag
                                                                                                                4080
gctgcgatac agactcttca gatggtaatg atggcacctc tgtaggccaa gtatttcag
                                                                                                                4140
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                                                                                                                4200
atggtggtgt cattggtggc tcctcaggtg gcaacggtgg cattgttggg ggctcttcag
                                                                                                                4260
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                                                                                                                4380
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                                                                                                                4440
accggtcagc acccatggac atcatagatc gatcagccat tgggggacatc atggagcgtt
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cataagctga catcatggag cgttcataag ctgacatcat agagcgctca gccatagggg
                                                                                                                4560
acatcataga gegetegtag getgacatea tagagegete gtaggetgae ateatagage
                                                                                                                4620
gttcagccat aggggacatc atagaccgct cataagacat catagagcgt tcgtaagatg
                                                                                                                4680
acatcatgga acgttctgca gcataggaca tcatcataga acgtctagat gctaacatca
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                                                                                                                4800
tgtagggtct aggtgacatc ctatagggat caggagttag tctgtaggga tcatggccta
                                                                                                                4860
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                                                                                                                4920
ccaacctata gggatcctga gctaacctgt aaggatcctg agctaaccta tagggatcag
                                                                                                                4980
gagattttga acccaacata gcagagtett gggtactaga egetaacate tgggeateca
                                                                                                                5040
tggtaccaga cgctaacatc tgagcatcca tggtgccaga agctaacatt tgagagtcca
                                                                                                                5100
tagtgccaga tgctaacatc tgggaatcca ttgagctagt tgccaacatc tgggagtcca
                                                                                                                5160
tggtgctggt tgctaacatc tgagaatcca tggtgctggt tgctaacatc tgggagtcca
                                                                                                                5220
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                                                                                                                5400
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                                                                                                                5520
tggtattgga tgctaatata tgggtctcca tggtgttaga agctaatata tgggattctg
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                                                                                                                5640
gctcctgtgc taccgtatta taggattcca gcgctgtcgt cgagggcacc tccagggact
                                                                                                                5700
gcgacacggt catcgttgac agctccgatg ttgtcaccac agactgaaca gagatctcca
                                                                                                                5760
gcgccacagt tgccacaggc tgcccaggca actctggcgc cccaggctgc cctggcaact
                                                                                                                5820
ccagcacccc tgttgccaga ggctgcccca aaagctccag tgctccagct gccccagact
                                                                                                               5880
geccegagaa etecagtgee ecagetgeea tgageggeee aggeaactet agtgeeecag
                                                                                                               5940
ttgccacagg ctgccccgac aactccagtg ccctagttgc cgaaggcagc cccggcaact
                                                                                                               6000
ctggcacccc agtcaccgaa ggctgccccg gcaactccag cgctgtcgtt gccactggct
                                                                                                               6060
gtcctggcaa ctccagcacc atcgttgcct caggctgccc cagcaaccct gttgccgttg
                                                                                                               6120
tcacctcagg atgcccagga tgttccaccg ttgtcatccc cacaggctgc tccaactctg
                                                                                                               6180
togtogtoac aggitgitog gioaactoca tigotacigi tacogcaggo igototggca
                                                                                                               6240
acticaction to total taction and the second action actions and the second action actions and the second action actions are second actions as a second action action actions are second action actions action 
                                                                                                               6300
ctggtacctc ctgtggtggc tccaacccca tggatggtgc tggaagccct ggcaattcct
                                                                                                               6360
gcgacaactg tggcactggt gtcacagagg gccctggcaa ctcagacgaa a
                                                                                                               6411
```

```
<210> 7214
```

<211> 798

<212> DNA

<213> Homo sapiens

<220>

```
<221> misc_feature
<222> (152)...(764)
<223> similar to gi23691 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

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```
<210> 7215
<211> 1772
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1638)...(301)
<223> similar to gi4868366 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7215
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                                                                       60
cgctctagga aaatgtgcta tgctcacctt ccctctaccc ctgtcccatc aggcccagag
                                                                      120
ccaaggccat agggctgctg aatacacatg tgagggggcc gaggggaaga caacagtacc
                                                                      180
aggagggcag gcagggcacc cccaggctgg ccagtggagg ggtgggggta tcgatcccgc
                                                                      240
cgggggctgg cttggttgct ggtgccctga gcccttctct gcccgcctgg gtgttgcctt
                                                                      300
cactgatgga ggtaggcgtc cagccagatg tcaccagact tcttcaggga cctgacgatg
                                                                      360
tecaceageg eggtgaggaa gggetteact tegtagetga ggeegtgett ggeacaeage
                                                                      420
gacttgacca geggggecac ceggetgtag ttgtgteteg geateetggg gaagaggtgg
                                                                      480
tgctcgatct ggaagttgag gtgcccgctg aaccagttgg tgaaaagtga gggctccacg
                                                                      540
ttgcaggtgg ctgccagctg agagctgacc cagtcccggt gcttctcgtg gccgatctcc
                                                                      600
ttggggatgt ggttcatctg tgtgatccac acgaaccagt ggctttccag gaccctgaca
                                                                      660
gcaacaaaga agagcagcac cccagggacg ccgtagaagg ggaggtagga taagaagaag
                                                                      720
cgggcataga agctggcggc ccagagcaaa tccgcccact gcatgcacac cagcatgtac
                                                                      780
gccagatttt ccacttcaaa gttcaccagg gtgagcagcg gcgggccgat caggaagaag
                                                                      840
```

```
900
tacaqqtqct gctggttqta gggtaggtat ctgcgtttct tcttgccata ctcgacggat
                                                                      960
gactccccca ggaggaagac gggcgccacc gtcacgtctg ggtctttgtg gaagatgttg
                                                                     1020
ggcttggcgt ggtgctggaa gtggcggaag ttccaccagt gggcggagaa gccctttagc
                                                                     1080
tgececatea egaacttetg ggecaegtgg ttecaecagg aettettgaa gatggaggea
tggcccaggt catgctgcag acaccaggac tgagcctgag agatggccag gatgaaggcg
                                                                     1140
                                                                     1200
gccagggcac tgggcaccca gccaggaccc aggaggtaga taaggagcca ggccagcacc
tecatggeca ggatgtggec cagtaggaaa gcaaagaagg tgggactgge atcaaacage
                                                                     1260
ttcatgtcct cggctgcctg gtgcagggct cggaagtcct cgaccagctg cgcattcagg
                                                                     1320
                                                                     1380
ggtccatcct ggctgggttc ttccggagcc agctctccaa tcaacagggg ctgtaggaac
ttgcgcacaa aattgagatc ttgatggaag gcacggaagg catccgtggc gtcctcagcg
                                                                     1440
cegtggtggc cgatgaggeg getgececet gggtgeeget gtgeceageg getgatgteg
                                                                     1500
tagacgcggc gctcgatgac cagccacttg tcgccgggct ggtcgtgcgc gcggatctgc
                                                                     1560
teccageaga aggtgggeag eggtgeeece ggetgegegg gteeeteeeg eggteeegge
                                                                     1620
teccegaege egeceatget geaegeaega gteetgggga teccaggegg tggeegaggt
                                                                     1680
ccgagcaaga ccccgaggga agcgaagagc gctcccgggc gccgcctccg ccgccgcccg
                                                                     1740
ctgctccggc cccgccctgc cgccgcggcc gc
                                                                     1772
```

```
<210> 7216
<211> 1730
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1636)...(497)
<223> similar to gi3419847 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

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<400> 7216
ttttttttt tattttaaaa gtgcacatat tttattgaaa gatatccagt ttcagctttg
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aagatatagg ctcaaagtct gttcttggct cttccagaaa ttctgcttct agagtgttca
                                                                      120
taatttcaac caaaacttag aaagtttttc taaaatcaga cttttcaacc tgctgaacag
                                                                      180
aactcatgtc tatacttcga tgtttaattt tggcagcatt tgtctctgtg aagcatatcc
                                                                      240
aaaatcactc aaaacatcaa aactgctgat ctgatagaat gatttatttt cccattacag
                                                                      300
gtaagtcatg aatggcttgt tctgaggtat gtttctgagc tatgaaggac acctactaga
                                                                      360
aagctccaca cttgaagggt tctcttaagg tggtaacatt ttatggctgg acagtctctg
                                                                      420
caggtaccag attccccgtt gtatccaact gcatacattt acacgtgcat gcagacacag
                                                                      480
ggcactctgc atggtccctg aaccaactaa gcatatgtcc agcatgtcca ccgtgcctgc
                                                                      540
aattatgaca ccatgtaaac cagttgttaa attgggctaa ttttttgtcc ttgctcaagt
                                                                      600
ccactttttc atctgatttg gttcctccag gacagctaga aactggtgtt cccatattaa
                                                                      660
tgagacaaag cgcacatcga ggaagtggtt ttcgacagcc aggacaactt gtgactttag
                                                                      720
atttegttgg tgagecaete acaecataet gaetaaaaee tetgeeetga tgaggeaeag
                                                                      780
ctgaacagct gtaggagatt gacttgccac agaaattgca actcacaaaa acttgtgcta
                                                                      840
aaggettgga actgggatee aacttactee tgtgaatate aaatteaget egtttatgee
                                                                      900
aaaacctcca ggcatctaat aaatttctat aattctcaat ccagtactga accctttcat
                                                                      960
ctttaagaac atotaaaggt gaaccctgta acatacagta acttgctgtt tgaacatctc
                                                                     1020
cagttctatc aacataactc tccattaagt ccactccatc tttagtaagg cctgtaagca
                                                                     1080
aaattccttc caaatttcca gcctctttca tttcattggt caacttttcg atgtatctat
                                                                     1140
ttaactgagt atcactaagg aatttacaag caaatgccac tctgtcacgt actgcaactt
                                                                     1200
tgttttcata caaaactcca tcgtaagatc ctgtttcact tgtcagaaat gcaaacatga
                                                                     1260
```

```
cacacaaata cgggttattt agctgtaatc gcagtgtgct acacatttct ctccaaaggg
agttcttctc atccgtataa cccgataaag ccattgctac cacattgaga ttcagatctc
                                                                     1380
ctttttcaga agatgcccct tcattcagga tttggattgc tcggcgaata tccaagttga
                                                                     1440
acaatgccac agcagcaget ettteccatt eccettettg tacaagggag ttcaaaaatg
                                                                     1500
gccccacgtc tacatccgtt cctttcttta tccacccaca aagctgtaaa gctaagattc
                                                                     1560
totottoatt taaattttga atatoacttt gottatooaa cocactooaa ttatgtotgo
                                                                     1620
tgctttccac cattcccaac gatgacttta caattgattt aattcctgca taaaccaatg
                                                                     1680
atcetttgtt geetggagat ttgtgateea tatetteteg gaegegtggg
                                                                     1730
     <210> 7217
     <211> 595
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (148)...(596)
     <223> similar to gi5911843 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7217
cagaacacaa ctgccagtgg gtgtgagctc atgcacactg agatgcaggc cctgcgtgcc
                                                                       60
gactggaagc agtgggaaga cagtgtattc caaacgcaga gctgtttgga gaacctggtc
                                                                      120
agccagatgg ccctttcgga gcaggaattc tcaggccaag tggctcaact gqagcaggcc
                                                                      180
ctggaacagt tcagtgccct tctgaaaacc tgggctcagc agttaaccct cctggaaggc
                                                                      240
aagaacacgg atgaggagat agtggaatgc tggcacaaag gacaagagat actggatgct
                                                                      300
ttgcaaaaag cagagcctag aacagaggat ctcaagtctc agctgaatga actttgtcga
                                                                      360
ttttccagag acctgagtac ctacagtgga aaagtttctg gcttgattaa agagtataat
                                                                      420
tgtctttgtt tgcaagcatc caagggctgc cagaataaag aacagatttt acagcaaaga
                                                                      480
tttcgaaagg ccttcaggga tttccagcag tggttggtta atgcaaaaat cactaccqcc
                                                                      540
aagtgttttg atatacctca aaatataagt gaagtttcaa ctagtcttca qaaaa
                                                                      595
    <210> 7218
    <211> 2329
     <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc_feature
    <222> (1)...(2330)
    <223> n = a,t,c or g
    <220>
    <221> misc feature
```

<223> similar to gi4768673 in the genepept database release 114,

<222> (505)...(1055)

```
<400> 7218
ceggaanaac egggtegagg atttegtegg gegagtetee geeeegettt tgeagetagg
                                                                       60
ggtgtgtttc aggggggatt ggggcaagcc aagcaggcga ggacccgggc ctgtgccgct
                                                                      120
ttqcctaccc ctcatccctc qqcaccaaqq ctacttqaqc cccaqqqtqt tttttccttq
                                                                      180
ttcccgccac ctcctggtcc ctggcccaac atgatactga ccaaagctca qtacqacgaq
                                                                      240
atageceagt geetagtgte tgtgeegeet accaggeaga geetgaggaa getgaageag
                                                                      300
aggitticca gicaatcgca ggccactcig cigagcatci tctcccaqqa qtaccaqaaa
                                                                      360
cacattaaaa gaacacatgc caaacatcat acttcggaag caattgaaag ttattaccag
                                                                      420
aggtacctga atggagtggt gaaaaatgga gctgccccag tgctcctgga cctggccaat
                                                                      480
gaggtggact atgcgccctc attaatggct cggcttatac tggagaggtt tctacaqqaa
                                                                      540
cacgaggaaa ctccaccctc caagtctatt ataaatagta tgctacqqqa cccttctcaq
                                                                     600
attccagatg gagttctagc aaatcaggtc tatcagtgca ttgtgaacga ctgctgttac
                                                                      660
ggaccactag tggactgcat caaqcatqcc attqqtcatq aqcatqaqqt cctqctqaqa
                                                                      720
gacttgcttc tagagaaaaa cctgtccttc ctagatgaag atcagcttcg tgcaaagggt
                                                                      780
tatgacaaaa caccagactt cattttacaa gtaccagttg ctgtagaagg gcacataatt
                                                                     840
cactggattg aaagcaaagc ctcatttggt gatgaatgta gccaccacqc ctacctqcat
                                                                      900
gaccagttct ggagctactg gaatagattt gggccaggct tagtcatcta ttggtatgga
                                                                     960
tttatccagg agctggactg caaccgggaa aggggcatcc tqctcaaaqc ctqtttcccc
                                                                     1020
acgaacattg tcaccttatg ccacagcata gcttqaccct qaaqatcctq qaaqaqaaqc
                                                                     1080
tgggaggaaa aggtgaatcc ggaagcaatt ttactttcct gcactgtaag atcctggcaa
                                                                     1140
catctgccct gaacttcagc tgaactcttg ctgcccgtag tcacaccact acctctttaq
                                                                    1200
acaaacatat caagagtttc tgttttcctt catcccttgc tgatgtgaac agccaagaac
                                                                     1260
tacagacaca acccactcat tatcagcatt tctgtctctg tcaaacaatt aqtttataqa
                                                                    1320
tagtcataat ctttcttct tccggatggt ttatccttgt atgctgaaca aaagaaaaaa
                                                                     1380
tgtgaagact gaaaggtgtg atttttcaat tctcctccca qttaccqaat caccctctta
                                                                     1440
tttttttttc cctaagectc egttcactgt ctctccctct ccctttctct tcatqtqcac
                                                                     1500
tcacagagac ccagcattgc attaccatcg tggaataatc tagcgcaaac ctaggaaagc
                                                                     1560
tgaagccaca aagtccaaag ccacctttgt actcacctgc agagctccag aagaccttga
                                                                    1620
tggcagcctg cctatgctgg gggtttgcta tattcaatct ttacggcttc ctqacttctq
                                                                     1680
tgacagtaag ccaagtgcaa aaatacactt gatgagaatt tcctctttta ataatgttat
                                                                    1740
ttgaacacca catattttag atttatctta tttgaaagta ttagttccat tgtgcctgga
                                                                     1800
aaccacactc ctttagattg ggggccgaga ggcgacaacc caacattgag gagagtttat
                                                                    1860
ttttaaacat ggctagttgt cagtatgtac gtgagctagt atttttatga gtcgagtttt
                                                                    1920
ttaaaggcac attctgtata ctgcttagta tatgcatttt ataccatgta attataaaac
                                                                    1980
actcgagtaa gttcagcatt agaaatgttt agctttgtat gaactgagtg tgccagaaat
                                                                    2040
aaacctggag caatttttaa ataagcaaaa taaaggagat ttttctattt qttcacttta
                                                                    2100
atttattcac ttttgtgtac ttttatgtac tgcaaatcag atttcagtct aaagcgaaac
                                                                    2160
atcagtaagt taataataaa cctatctttc gggaagttga atattaatct qtacccaaaa
                                                                    2220
cgtatttagt aaaatatttg ccccgccac cctgccatqc tqacataaca acttttataa
                                                                    2280
tgttgaatag atgatatggg aaatactaat aacaacaatg taatttttg
                                                                    2329
```

```
<210> 7219
<211> 1262
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
```

<222> (452)...(1075) <223> similar to gi3879938 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 7219
gacgccggcg ctgatgggaa atccagttat caaaattgac tcaagaagag agaacctaac
                                                                      60
agaacaataa caatggaaga aattgggaac attatcacaa aqctatcatc ctqccaaact
                                                                      120
ccaggctcag atgtcacagg ttaaaaaaaag tccttcatqa aaaaqaaaqa tcttaaqcaq
                                                                      180
catgatggat tcagaagctc atgaaaagag gccaccaata ctaacatctt caaaacaaga
                                                                      240
tatatcacct catattacaa atgttggtga gatgaagcat tacttgtgtg gctgctgtgc
                                                                     300
agcetteaac aatgtegeaa teacatttee catteagaag gteetettte qacaacaget
                                                                      360
gtatggcatc aaaacccggg atgcaatact tcagttgaga agggatggat ttcgaaattt
                                                                     420
gtatcgtgga atccttcccc cattgatgca gaagacaact acgcttgcac ttatgtttgg
                                                                      480
tctgtatgag gatttatcct gccttctcca caagcatgtc agtgctccag agtttgcaac
                                                                      540
cagtggcgtg gcggcagtgc ttgcagggac aacagaagca attttcactc cactqqaaaq
                                                                     600
agttcagaca ttgcttcaag accacaagca tcatgacaaa tttaccaaca cttaccaggc
                                                                     660
tttcaaggca ctgaaatgtc atggaattgg agagtattat cgaggcttgg tgcccattct
                                                                     720
tttccggaat ggactcagca atgtcttgtt tttcggcctt cgaggtccca ttaaggagca
                                                                     780
tetgeetace geaacgaete acagtgetea tetggteaat gattttatet gtggaggtet
                                                                     840
attgggtgcc atgttgggat tcttgttttt tccaattaat gttgtaaaaa ctcgcataca
                                                                     900
gtctcagatt ggtggggaat ttcagtcttt ccccaaggtt ttccaaaaaa tctggctgga
                                                                     960
acgggacaga aaactgataa atcttttcag aggtgcccat ctgaattacc atcqqtccct
                                                                    1020
catctcttgg ggcataatca atgcaactta tgagttcttg ttaaaggtta tatgaaaaaa
                                                                    1080
accaacagtt tagtgccatt tatcaactga atagaccttc taagaagaat gcagtttggc
                                                                    1140
ctctttctta gttggccaaa tacaagttgg tgtcataact ccaggccaca gtgagttatg
                                                                    1200
ggcaaagctg ttttgcttaa gcctcaataa aacagaataa aagattccaa taggaaaata
                                                                    1260
                                                                    1262
```

```
<210> 7220
<211> 1665
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1641)...(966)
<223> similar to gi2959872 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7220
agccacggtt tttcccaaaa ggattaaaat ggggttcccc cggggttttc cccccccg 60
gggtttaaaa cccgccccg gaaattaaat ttggggccc caaaaaaaaa atataacttt 120
ccccccccg gggcaaaaaa tttgttccct taaaagggcc ccccctttt tttttttga 180
atgagaaaac atttattccg tctccaaaca gcatcccagg ccgggcatct ccccacgat 240
tttataatac actcggcaca gacagagtct gggagccatg gggcacccct gccctccca 300
ggcttcctaa gtaacaactg cagaatattt acataaagct gggtgttgtc aggcaaagcc 360
cttccctgct gccaggggtg ggagcaagga ggaagtgcca tgagcaccag ccccgcctc 420
```

```
acaccacggg aggcagccca gaggccaccg gcacagggtg gtggccccca gatcatacag
                                                                      480
                                                                      540
cagtgggcac aggggaagca aacctgagtg aggacacaag agcctggtcc ggctccgctg
cacagggcag gtgtgatggc ccccacgagt ctttggcaga gaacgcagat aatagcggct
                                                                      600
                                                                      660
cccacggcct gacccgggcc ggggggaagc tgaggcactt gtcagtagca catgggcacc
tgctggcttc tagccactgc aggcggggct gaggtcatta aaagcgagga aaaacactag
                                                                      720
ctaaaaaccc tttcctaaaa gtgccctgga ggagtgagcg gctgactgaa gccctctggg
                                                                      780
cacaggcact tggggtgtgg ctctgccagc ccccgccagg ctatgaggct ccttagctgt
                                                                    . 840
                                                                      900
gtgtcagctg cacaggatgg aacaggtgaa agagaggggc tggcagttcc aggaggctca
tgggaaagtc cagggcagag gggagggccc tctctgtccc ccttcccacg ctaaccgccg
                                                                      960
                                                                     1020
etcagtacae aggggggggc tggtageeet eggtggtete egegttetgg gtgaagggtg
gctgttggta gttgtccaca gatgcacctg ggtaggaggc gtaggcagtg ttggggtccg
                                                                     1080
gagtggggtc aacgtaattc tggatgaagt cgtccacgcc agccttgtag cgctggtagg
                                                                     1140
ccagggaggc cagcacaccc caggagaaga tggaaaagaa gctgaaggtg atggctgccc
                                                                     1200
tcacagagte ggcccccace agcacgtect tegggttggt gactgcccac tggttggtga
                                                                     1260
ggaagcagaa accaacaaac cacaggaagg tccagagagc tgagaagagc aggtcaccaa
                                                                     1320
tgaccaggta cttgcggtca gtggcgttgc tgatctgggg gaaatacgcg tcgaccacca
                                                                     1380
agaagaaggc cgaggccagg aaggccagca ccccgatggc actgccatag cggcaggcat
                                                                     1440
cetegttgeg gttgaacaeg cagtacatet gettagaete gtgggcattg etgtageeet
                                                                     1500
caccatagat gcaggagaac acgatcaagg cgaagaccaa gcacacggcg cgcgccacca
                                                                     1560
cetgeggetg egteaggaag egeegeaggt egaaggagee geeegeettg geegegeegt
                                                                     1620
aggeceeget etecatgteg eegtegeege egetgeegee geege
                                                                     1665
```

```
<210> 7221
<211> 955
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (238)...(569)
<223> similar to gi3879530 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7221
gaaaaaagag accatagact tecateetgg cetagagegg ceettaaagt geeagggaga
                                                                       60
ggagggeggg tggggaccac tecagaattg geegetggeg gtateatgge gacceggaac
                                                                      120
eccectecce aagactatga aagtgatgae gactettatg aagtgttgga tttaactgag
                                                                      180
tatgcaagaa gacaccagtg gtggaatcga gtgtttggcc acagttcggg acctatggta
                                                                      240
gaaaaatact cagtagctac ccagattgta atgggtggcg ttactggctg gtgtgcagga
                                                                      300
tttctgttcc agaaagttgg aaaacttgca gcaactgcag taggtggtgg ctttcttctt
                                                                      360
cttcagattg ctagtcatag tggctatgtg cagattgact ggaagagagt tgaaaaagat
                                                                      420
gtaaataaag caaaaagaca gattaagaaa cgagcgaaca aagcagcacc tgaaatcaac
                                                                      480
aatttaattg aagaagcaac agaatttatc aagcagaaca ttgtgatatc cagtggattt
                                                                      540
gtgggaggct ttttgctcgg acttgcatct taaggacatg aatattctcc cataacggat
                                                                      600
tcaactatga gaagagaagt ggcagcaata aggcagtctc tcaaaagtca tactgccaga
                                                                      660
gtctctaggg caaggagaaa caactagctg gacaatactc aattcacaac ttagcatttt
                                                                      720
gccatctgaa gcttggcaaa ctagtatctg ctgtaaaaca acctatatgg tatgtgaacc
                                                                      780
gtagtattcc tgagcaaaac gtggctttca tcgctttgta aaaatttgca tctgtttaga
                                                                      840
aactagccta taaaatatca ccattggatg tagatatgga gagaaaagaa atatgttggg
                                                                      900
tttattgctt agcgaaatat tctcttttta tttaaataaa atgttcttca ttgtg
                                                                      955
```

```
<210> 7222
<211> 2128
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (108)...(1627)
<223> similar to gi4468866 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7222 acggccccgg aattaccggg tcgacgattt cgtctctgag aagccggact acgcggcagc 60 ggctcttcaa agcggagccg ggagtttttg ctacagtttt cgccaccatg agtcgcagct 120 ataatgatga gctgcagttc ttggagaaga tcaataaaaa ctgctggagg atcaagaagg 180 gcttcgtgcc caacatgcag gttgaaggtg ttttctatgt gaatgatgct ctggagaaat 240 tgatgtttga ggaattaagg aatgcctgtc gaggtggtgg tgttggtggc ttcctgccag 300 ccatgaaaca gattggcaat gtggcagccc tgcctggaat tgttcatcga tctattgggc 360 ttcctgatgt ccattcagga tatgggtttg ctattgggaa catggcagcc tttgatatga 420 atgaccetga agcagtagta tececaggtg gtgtegggtt tgacateaac tgtggtgtee 480 gcttgctaag aaccaattta gatgaaagtg atgtccagcc tgtgaaggag caacttgccc 540 aagctatgtt tgaccacatt cctgttgggg tggggtcaaa aggtgtcatc ccaatgaatg 600 ccaaagactt ggaggaggcc ttggagatgg gggtggactg gtccttaaga gaagggtatg 660 cctgggctga agacaaggag cactgcgagg agtacggaag gatgctgcag gctgacccca 720 ataaagtttc tgcaagggcg aagaaaagag gccttcctca gttggggacc ctgggagcag 780 gcaaccatta tgcagaaatc caggttgtgg atgagatttt caatgagtat gctgctaaaa 840 aaatgggcat cgaccataag ggacaggtgt gtgtgatgat ccacagtgga agcagaggct 900 tgggccacca agtagccaca gatgcgctgg tagctatgga gaaggccatg aagagagaca 960 agattatagt caatgatcgg cagttggctt gtgctcgaat cgcttcccca gagggtcaag 1020 actatetgaa gggaatggea getgetggga actatgeetg ggteaacege tetteeatga 1080 ccttcttaac ccgtcaggct ttcgccaagg tcttcaacac aacccctgat gacttggacc 1140 tacatgtgat ctatgatgtt tctcacaaca ttgccaaagt ggagcagcat gtggtggacg 1200 gaaaggaacg gacactgtta gtacacagga agggatccac ccgcgctttc cctcctcacc 1260 atcccctcat tgctgttgat taccaactca ctggacagcc agtgctcatt ggtggcacca 1320 tgggaacctg tagttatgtt cttactggca ctgaacaggg catgactgag acctttggaa 1380 caacctgtca tggagcgggc cgtgcattgt cccgagcaaa atctcgacgt aatttagatt 1440 tccaggatgt cttagacaaa ttggcagata tgggaattgc gatccgtgtt gcctcaccca 1500 aactggttat ggaagaggct cctgagtcct ataagaatgt gacagatgtg gtaaatacct 1560 gccatgatgc tggaatcagc aagaaagcca ttaaactgag accaattgct gtgatcaaag 1620 gatagaacct tggacagcag ggctgcctga caccaccaac cctctctgaa gtggaagtgg 1680 actgacatgc tcttctgaca tcagactcaa ggcgggacaa gttgcaaagt gtgcagctgt 1740 aactgctcac gccaaaatgg ctgatgggga ggctgctgct ttcaggggcc cgtgcttgta 1800 aaataacctt ccaggaagag gcacattgcc cacctttgga aagggaggaa tatgccttct 1860 ccttggttgt tccacagagt tttaggaaaa tctgttaggg atgggtagat gtcaaactgc 1920 cttacgcagt catactgatc tttagccatc agattgatct tcttcacacc aagctctgtt 1980 tacattccga gaggtgtcat gaagaaagtt ctgttcaata agaaaaaaaa aaaaaagggg 2040 cggccgtttt aaaggatcct tgggggggcc caagtttacg cgggcatgca acgtaatagc 2100 tttttcctta tagggagccg aattataa 2128

```
<210> 7223
<211> 7752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (91)...(3133)
<223> similar to gi3378196 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7223 cagagacgtc agcatctcaa gggcactgtg gtatggaaaa ggacgccaca tqaqtaaatt 60 ttaaaaatat aaatatttta aagggtaaaa atgagggtcc ctgtatttga ggatataaaa 120 gatgaaactg aagaagaaaa gataggggaa gaagaaaatg aagaagacca ggtcttctat 180 aagcctgtta ttgaagactt aagcatggaa ttggccagaa aatgcacgga actcattagc 240 gatatccgtt ataaagaaga gtttaaaaaag tccaaggata agtgtacatt tgtgactgac 300 agtectatge taaaccatgt aaaaaatate ggtgetttta tttetgagge aaaatacaaa 360 ggcaccatta aagctgacct ttctaattct ctttataagc ggatgccagc cacaattgac 420 agtgtttttg caggagaagt tacacagctc cagagtgagg tggcctacaa gcagaaacat 480 gatgctgcca aaggattctc agattatgcc cacatgaagg agccccctga ggttaaacat 540 gccatggagg tcaataaaca ccagagtaat atttcttata ggaaagacgt gcaggacacc 600 cacacgtaca gtgcagaact tgaccgacca gacatcaaga tggcaaccca gatctctaag 660 atcataagca atgcagaata caagaaagga caaggaataa tgaataaaga gcccgctgta 720 attggaagac cagattttga acatgccgtg gaagcttcta aactttctag tcaaattaaa 780 tacaaagaaa aattegataa tgaaatgaag gataagaaac atcattacaa teetettgaa 840 agtgcttctt ttaggcagaa tcagcttgct gctacactgg cgagcaatgt gaagtacaag 900 aaagacattc aaaatatgca tgatccagtt tcagatctcc caaatttgtt gtttttagac 960 catgttttga aagccagcaa aatgctcagc ggccgagaat ataaaaagct ctttgaggaa 1020 aacaaaggaa tgtatcattt tgatgcagat gctgtggaac atctgcacca taaaggcaat 1080 gccgtcctcc aaagtcaggt gaaatataaa gaagaatatg agaaaaataa gggaaagcca 1140 atgcttgaat ttgttgagac accatcatat caagcttcaa aggaggctca aaagatgcaa 1200 agtgaaaaag tttacaaaga ggattttgag aaggagatta aaggaaggtc atcactggat 1260 ttagacaaga ctccagaatt tttacatgta aagtacatca ccaaccttct gagggagaaa 1320 gaatataaaa aagatttgga aaatgagata aaagggaaag gaatggaact taattcagaa 1380 gttcttgata tccaaagagc aaagcgggcc tctgaaatgg caagtgagaa agaatacaag 1440 aaagacctgg agtcaataat taaagggaaa ggaatgcaag ctggcactga cacccttgaa 1500 atgcagcatg ccaagaaggc tgcagagata gcgagtgaga aagactataa aagagatctg 1560 gagactgaaa ttaaagggaa agggatgcag gtgagcacag acactcttga tgtccagaga 1620 gctaagaaag catccgagat ggccagccag aaacaataca agaaggactt agaaaatgaa 1680 attaaaggga aaggaatgca agtgagcatg gatatcccag atatccttcg agccaagagg 1740 acatetgaaa tetatageea gagaaagtat aaagatgaag cagagaagat getttetaae 1800 tattctacca tagcagatac tcctgaaatt cagagaatta agacaactca acaaaacatt 1860 agtgcggtat tttataagaa agaagtggga gctggcactg cagtgaaaga tagcccagag 1920 atcgaacgag tgaagaaaaa tcagcagaat attagttcag tgaaatacaa agaagagatt 1980 aaacatgcaa cagccatttc tgatcctcca gaactaaaga gagttaaaga aaaccagaag 2040 aacatcagca atctccagta taaagagcaa aactacaagg ccactccggt aagcatgacc 2100 ccggagatag agagagtgag gcgaaaccag gagcagctga gtgcggtaaa atataaggga 2160 gaacttcaac ggggaactgc aatttctgat ccaccagagc tgaagagggc aaaagaaaac 2220 cagaaaaaca tcagcaatgt ttattacaga ggtcagctgg gaagagctac cactttaagt 2280

```
gtaactcctg aaatggaaag agtgaagaag aatcaagaaa atattagctc ggtaaaatat
                                                                     2340
acccaggacc ataaacagat gaaaggtaga ccaagtctga ttttagatac acctgctatg
                                                                     2400
agacatgtta aagaagcaca aaatcatatt tcaatggtaa aataccatga agattttgaa
                                                                     2460
                                                                     2520
aaaacaaagg ggagaggett tactcccgtc gtggacgatc ctgtgacaga gagagtgagg
                                                                     2580
aagaacaccc aggtggtcag cgatgctgcc tataaagggg tccaccctca catcgtggag
                                                                     2640
atggacagga gacctggaat cattgttgac ctcaaagttt ggcgcacaga tcctggctcc
                                                                     2700
atcttcgacc ttgatcccct ggaagacaat attcagtcta gaagtctcca tatgctctct
gaaaaggega gteactatag gegacaetgg tetegateee attecageag taettteggt
                                                                     2760
acaggictcg gagacgacag gicagaaatc tccgagatti accctagett ticatgctgc
                                                                     2820
agtgaggtaa caagaccgtc tgatgaagga gcacctgttc ttcccgqaqc ctatcaqcaa
                                                                     2880
agccattccc aaggctatgg ctacatgcac cagaccagtg tgtcatccat gagatcaatg
                                                                     2940
cagcattcac caaatctaag gacctaccga gccatgtacg attacagtgc ccaggatgaa
                                                                     3000
gacgaggtct cctttagaga cggcgactac atcgtcaacg tgcagcctat tgacgatggc
                                                                     3060
tggatgtacg gcacagtgca gagaacaggg agaacaggaa tgctcccagc gaattacatt
                                                                     3120
gagtttgtta attaattatt tctccctgcc ctttgagctt tattctaatg tatcccaaac
                                                                     3180
ctaatctttt taaaagatag aagatacttt taagacaact tggccattat tttacaatga
                                                                     3240
tgtatccttc ctttgacaat tagacacaca ggtaccagga agaaggaatg acctctgggc
                                                                     3300
tgaaaacagc agcattttca gtaattccta caaacaaaaa tctttgtgtc tggacgcctg
                                                                     3360
gtgctgctaa ttgtgttcat ggtttccttt gattggctat tgaacccttc tgggaaatgt
                                                                     3420
atttttgtag actttaatag agaagttgat tgtcccttaa atgtagcgtg tgtttgaaac
                                                                     3480
ttettagetg teaetttgga ateaececaa gecaattete ttaaetetgt aatgeageca
                                                                     3540
ataatttcaa acccgttttg cttttgagtc atgaggcaat ttccaatatt agtgaaaatt
                                                                     3600
gcccaatata ataagtgtaa acagtggcag aaggacagtc tggttaaaat tatattgact
                                                                     3660
ggtggcctta gggatctaga aacttctact aaacagagaa atttccttgt tccctaggct
                                                                     3720
gactggtatc tatttatttc tcatttgtac caaggcatct cctactctcc atttatattc
                                                                     3780
tatggaccca agtetatget cagttecaca gaatgteagg accaaataac tteacageta
                                                                     3840
ctctgcaaag ggcaaattat aatgtcattg atataatttc cctagtagca tttaccctgt
                                                                     3900
tgcatgtcat gtagattcaa gcttctgtaa cataggcagc tgcactgcgc gttcctatta
                                                                     3960
ttgaagcaaa aagggtgact gatacctaaa agccctttct tcctctagtc gccagctcat
                                                                     4020
cagaaaaaca tactttgaaa agatgcttga gattttcctg ctgcatcgca ctctagtttg
                                                                     4080
gaaggattta catcttagga aataacatgt atactctagt aaataagcga tttaggtgtt
                                                                     4140
ccattgaaca gctttgatta acttaatgcc accattgatt tcaaagtgaa gaaaatgtaa
                                                                     4200
cagaagccag tgaagcaatg gaagctggag tgtgactgga aaaatactca gcaaacaaag
                                                                     4260
ttaccaattc catacagaga tgatctggtg tettettttg gaaaatggta ttcaaattet
                                                                     4320
ggaatggaaa tctagccacc aaaacgggtt aatcaaaaga cgtccttttc cattttttt
                                                                     4380
tgcttttatt ttctaaatca tttttaaggg aatgaaacag gaatgtcatc agagattttt
                                                                     4440
tagtacaggc ccaagagcct gttctctaag aaagaaattg ttgccatgtt ttgattttcg
                                                                     4500
aataagtgac tttgcaggct tttgctagcc cttgctggtg gagagtgaaa ttacatccag
                                                                     4560
agtetgeagt ceaggteace aageeagegg caecegtegg caaceetgtg tttttetgat
                                                                     4620
tgtgccgttt actgtgacct gcaacggggt ggcattcact tagggtctga cttcacagct
                                                                     4680
atgacaaaac cgaaaaagca aaactgcaaa aaagtactaa gatgtacggg tcttggggat
                                                                     4740
atctgcctta tatgttatat tcaaggaaat taacaaaaca tcctgtaaaa catcgtttaa
                                                                     4800
ggaaacgttt actagtccaa aggccaaagc taatttattt ccactttaga aaagttagca
                                                                     4860
catgcttttg aaaatctgtg atttcatttt attaggctaa aagggtaaat aggctttatt
                                                                     4920
acactgaagc tgcatctata tgtcactgac ataaagttga aaaaataaat gcaggcaaat
                                                                     4980
aactagagac ttcttttaag ggggtttggc tggttttctc tcactgaaat ggccagtcgt
                                                                     5040
gattaaagtg ataaaacccc atatctgttt tggtatattg tacacaaacc tacaaaaata
                                                                     5100
aactgaactt gcaatatttt tgcaaaaaaa tctgtccgtt aaaactgagg ataaaatacc
                                                                     5160
tgctcaattt tattttacta agtatatatt tacatttcac ccaggcaggc cattttcttt
                                                                     5220
tgtgattata agaaagagta gttgttgatt aaattttcag actaaatata ggacaggtac
                                                                     5280
aattttggat aaatagcaga tttataagaa ccgcaatgaa aactgacttg aaataatgct
                                                                     5340
tgtaatcagg aaagtaattt catccaccga tttcaaaacc agattcactg agcataaaag
                                                                     5400
tcaatacata tttgaggaat aagtctccta aaattttaag cttcacgtaa taatgtttgc
                                                                     5460
atagcaaaat atttctgctt caagccttta ggaattaaga tctgatcaga atttaactaa
                                                                     5520
agggtagttg ttttacaatg aagactaaaa ctgaacaaga tgttgcatgc tcttgagggc
                                                                     5580
cataatttgg gtagtgttgg gcagttgtta ataaaggctt gtcagggatg ttaaggcatc
                                                                     5640
ttcagggagg aaatattgga aaattatatg tataaaacca aagtgctgtt tttaaaagca
                                                                     5700
```

```
tcatttaaaa aaaaatgaca tgcctgaaca acttttccac tttccacgtg cttccctccc
                                                                     5760
acctttggtt tggcaacagg tatctcgtgc atgaagctga cagctaaaga agattttaaa
                                                                     5820
aattgagtta aagatgactg tgtaaatgtc caagcacaga gagcatgcac ctgactttct
                                                                     5880
aaagtttgat gtgttctcaa gcctgacaga agcacaagga acagtttgat acacttttaa
                                                                     5940
aaggttetga aaacaaaget gtatagggat cetetetete ttgageaaag tataggeaae
                                                                     6000
agaatatatt gcttttgttg taagcttttg tagtacatgt ttttactaat aatttcttgt
                                                                     6060
tetetaggaa ggetttetat tteegeeeta tgggeaaatg gaateettea tgtettettg
                                                                     6120
tcattgttga cacacttgca gtgtagccca gtttggaaat atttatttgq gttatcaact
                                                                     6180
gcccatggag gaggctcttg atggatccca gggtctcctc cgacctccat acaccacaca
                                                                     6240
ggcatttgta agcacagttt ccacaagcac cttgtaggaa tatgggataa gattagacca
                                                                     6300
gcccctctct gtccactggg tttatttctt gacgaaggat gcagatcttg gttgttccaa
                                                                     6360
tgtgccacag tettteetta teeteteeat getgagettg acaacaetet gggaatgagg
                                                                     6420
aacaagactt tttctaaaaa gatagtggaa gttcaaggga tgtacctcgt tttcaggttc
                                                                     6480
atccatctcc agtggaatgt tttcaataaa agatgaagaa aatgtgtgtg atctttaata
                                                                     6540
acacatccct atagaaagtg gataaaagat ataccaaaac tgtaatacag atatatacaa
                                                                     6600
atataggtgc ctttttgatt actcttgttt gtctagtatg gtcttggaaa gaaaaccaag
                                                                     6660
caagcaagtt gctgcctatt ctatagtaat attttattac acatgattga tatttttqtq
                                                                     6720
gtagggaagt gggatgctcc tcagatatta aaggtgttag ctgattgtat tttatctcta
                                                                     6780
aagatttaga actttagaaa atgccgactt cttccatcta tttctgaaag gttctttgtg
                                                                     6840
gatttatata gagttgagct atataaacat taactttaga tttgggattt aaaatgccta
                                                                     6900
ttgtaagata gaataattgt gaggctggat tcactacaca agatgaactt cacttcataa
                                                                     6960
attaattata ccttagcgat ttgcttctga taatctaaaa gtggctagat tqtqqttqtt
                                                                     7020
ttggttaagg tgatatggag gtgggagagc ttttagttaa gtaagaagct atgtaaactg
                                                                     7080
acaaggatgc taaaataaaa gtctctgaag tattccatgc cttttggacc ctttcctcgc
                                                                     7140
aactaactgt caactgttga tcaaaaaagt caaggcattg tatgttgctt ctgtggttat
                                                                     7200
tattctgtga tgcttagact acttgaaccc ataaacttgg aagaatcttt gagcaaattt
                                                                     7260
teteagttgt etgtatgaet teagtatatt eetgggaatg ceataggatt ttttgtgett
                                                                     7320
gatacatggt atccagtttg catagtatca cttctttgta atccagttgc tgttaagaat
                                                                     7380
gatgtacttt aaaggaaaag agaaaactgc atcacagtcc cattctccag tqtccatqca
                                                                     7440
atgaattgct gagcatttag gaagcagcac caagtctatt acaggcatqq tqtqaaactt
                                                                     7500
gatgtttgac ctgtgatcaa aattgaacca ttgtacagtt tggcttctgt ttgcttcaaa
                                                                     7560
atatgtagaa ttgtggttga tgattaattt gcgagactaa ctttgagagt gtaacagttt
                                                                     7620
tgaagaaaac attgaatgtt ttgcaaatga aggggcttca cggaatgtta caatgttact
                                                                     7680
aatataattt ggcttttgtt atgcaaattg ttaacaccag ctattaaaat atattttagt
                                                                     7740
agaaaaaaa aa
                                                                     7752
```

```
<210> 7224
<211> 1647
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1637)...(1121)
<223> similar to gi1770564 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7224
ttttttttt ttaaaaagta ttattttatg tatattttac cacagtcaaa aattcccaaa 60
ttatccaaac acaatcagta attaaatgcc taccatatgt atggcattgg gccaaaagat 120
```

```
aaacgtgtgt ttacagtacc cacatggctt tgttctccat ttcccacaga tgtaggcaaa
                                                                     180
tgtgtaatta actaacatca tgcctcctat agggccacat gtcacttcca atatcaggga
                                                                      240
aaatgacctg ttctgaagtg ctcatccatt ttccaggccc aaccagaccc caaaatacat
                                                                     300
cgtttatgca gaggacttgg aacacattca aaacagtaca tactttattt tcaagcatac
                                                                      360
aagaaacact aaactcttcc agtgccagta cactctccat gaattcttca tatagaattg
                                                                     420
ggtatattgg aagcaagttg tttctggtga aatttctgat gatcaggaat caagactcag
                                                                     480
tagccctaaa ggaagagat tttgtatcca atatcctcaa aaccaagaca tagtatattt
                                                                     540
tactttcaaa gtaaactata aacattttac catatccttc aatccataaa gcatctcact
                                                                     600
gtgaaatgat ccatgttgac tctgcataat tctcagaagt cacttcaagt gatgagggac
                                                                     660
taactataaa acatgcatta tttgaagtac atgagcatga aacatcgaag tctacaactt
                                                                     720
atcttaaaag aaagagtaag ttccaccagc tttttattgt ttgaataaca gaacacacaa
                                                                      780
aaccaggcag agaagtccgc aaggaaatga tgatcatatt tcactgtttt ttggcctttt
                                                                     840
ggtccttcat ctttcaagca cttactgtat tttcctttag cgatttaaac atttattttg
                                                                     900
atcacaaatg caattcaagt gtgaataaat aaacgtatta tettttagca ceetteeecq
                                                                     960
cttgttcctt taaatagaaa aaagtgctaa atgtctcttt ataggctatt ggccatagct
                                                                    1020
gtcccaccta tggttttaaa aacagactgt aacttgatct tctgaaatcc ttctcgaacc
                                                                    1080
acaactcgtt ctgttaaaga aatcctagga aagaagtcct actgatattg tcgatagtct
                                                                    1140
ccaaaaggtg aggaaggtaa ctgagttgaa ggcaactggg aggggtcttc tgcaaactga
                                                                    1200
ggaccattgg gaaactgtgc agaggcaaat cttgtcaaca agataccagc tccttcaatt
                                                                    1260
aaagetagga gaatgecace cattgegget gacecaacea tggccactgq tecatttett
                                                                    1320
gctgccagta tggctcccgt taaggcacca cttgtgatgg agttccaggg atcttccttt
                                                                    1380
cctctgactt gaaccatact acagtcaatc atggaaaaca qccctcccca aactqcaaaq
                                                                    1440
ctacctccta actgtggagc cctggtttta atagctgtca aactccctcg tagtctgtgg
                                                                    1500
tttactccca ctggagaatt gcgaaaacct ttgattgctt gaaagatacc accaccaatq
                                                                    1560
gtacccateg taaaggcccc accacagtca tccacaattc gccatgggca aggctctcgc
                                                                    1620
gcgtactcct ccatcttgac tccaatg
                                                                    1647
```

```
<210> 7225
<211> 2307
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (202)...(1249)
<223> similar to gi33967 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7225
gacccacgcg tecgegeagt ttgeteteet tgttttgett tegagetgga etgtteteag
                                                                       60
gcaagccggg gagtaacttt tagttttgct cctgcgatta ttcaactgac gggctttcat
                                                                      120
ttccatttca cacaccctag caacacttat accttgcgga attgtattgg tagcgtgaaa
                                                                      180
aaagcacact gagagggcac catgccggtg gaaaggatgc gcatgcgccc gtggctggag
                                                                      240
gagcagataa actccaacac gatcccgggg ctcaagtggc ttaacaagga aaagaagatt
                                                                      300
tttcagatcc cctggatgca tgcggctaga catgggtggg atgtggaaaa agatgcacca
                                                                      360
ctctttagaa actgggcaat ccatacagga aagcatcaac caggagtaga taaacctgat
                                                                      420
cccaaaacat ggaaggcgaa tttcagatgc gccatgaatt ccttqcctqa tattqaaqaa
                                                                      480
gtcaaggata aaagcataaa gaaaggaaat aatgccttca gggtctaccg aatgctgccc
                                                                      540
ctatcaaaac ggccttctaa gaaaggaaag aaaccaaaga cagaaaaaga agacaaagtt
                                                                      600
aagcacatca agcaagaacc agttgagtca tctctggggc ttagtaatgg agtaagtgat
                                                                      660
```

```
ctttctcctg agtatgcggt cctgacttca actataaaaa atgaagtgga tagtacggtq
                                                                   720
aacatcatag tigtaggaca gicccatcig gacagcaaca tigagaatca agagatiqto
                                                                   780
accaatccgc cagacatttg ccaagttgta gaggtgacca ctgagagcga cgagcagccg
                                                                   840
gtcagcatga gcgagctcta ccctctgcag atctcccccg tgtcttccta tgcagaaagc
                                                                   900
gaaacgactg atagtgtgcc cagcgatgaa gagagtgccg agggacggcc acactggcgg
                                                                   960
aagaggaata ttgaaggcaa acagtacctc agcaacatgg ggactcgagg ctcctacctg
                                                                   1020
ctgcccggca tggcgtcctt cgtcacttcc aacaaaccgg acctccaggt caccatcaaa
                                                                  1080
gaggagagca atccggtgcc ttacaacagc tcctggcccc cttttcaaga cctcccctt
                                                                   1140
tettecteca tgaccecage atccageage agteggecag acegggagae eegggecage
                                                                  1200
gtcatcaaga aaacatcgga tatcacccag gcccgcgtca agagctqtta agcctctqac
                                                                  1260
teteegeggt ggttgttggg gettettgge tittgttttgt tqtttgtttq tattttattt
                                                                  1320
ttttctctct gacacctatt ttagacaaat ctaagggaaa aagccttgac aatagaacat
                                                                  1380
tgattgctgt gtccaactcc agtactggag cttctcttta actcaggact ccagcccatt
                                                                  1440
ggtagacgtg tgtttctaga gcctgctgga tctcccaggg ctactcactc aaqttcaaqq
                                                                  1500
accaacaagg gcagtggagg tgctgcattg cctgcggtca aggccagcaa ggtggagtgg
                                                                  1560
atgcctcaga acggacgaga taatgtgaac tagctggaat tttttattct tgtgaatatg
                                                                  1620
tacataggca gcactagcga cattgcagtc tgcttctgca ccttatctta aagcacttac
                                                                  1680
agataggeet tettgtgate ttgetetate teacageaca etcageacee cettetetge
                                                                  1740
1800
cccgctcttt tcctactttt ccttccctca aagcttccat tccacatccg gaggagaaga
                                                                  1860
aggaaatgaa tttctctaca gatgtcccat tttcagactg ctttaaaaaa aatccttcta
                                                                  1920
atctgctatg cttgaatgcc acgcggtaca aaggaaaaag tatcatggaa atattatgca
                                                                  1980
aattcccaga tttgaagaca aaaatactct aattctaacc aqaqcaaqct tttttatttt
                                                                  2040
ttatacaggg gaatatttta ttcaaggtaa aattctaaat aaaatataat tgtttttat
                                                                  2100
cttttctaca gcaaatttat aattttaaga ttccttttct tgtttatcag cagttgttat
                                                                  2160
tacatccttg tggcacattt ttttttttaa ttttgtaaag gtgaaaaaag cttttatgag
                                                                  2220
ctcatgtagc aatcagattt tcctgtggat tgataataaa tgaatatgat atatagttaa
                                                                  2280
atttttaagg ggcatcaaaa aaaaaaa
                                                                  2307
```

```
<210> 7226
<211> 1404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1318)...(142)
<223> similar to gi3777604 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7226
ttttttttt ttaaaaagag aaacctttat ttacaaccat gggagtccca caggagtaca
                                                                      60
caaaacacac aatgtgcaca cacacaaaat gaacctttta agtcaatacc atgcgtgctc
                                                                     120
ctggccgcgc gccacccctc agtgccctat ccgcaccacc atcacagtga cgttgtcggc
                                                                     180
cgagccccgc tgcaccgcct tgttggccag cctgttgcag gctgcttcgt agcgggcgtc
                                                                     240
ggctgcggac ttcccttccc gggtctggat cttttcatcc tcgagacagg acaagatgaa
                                                                     300
gttcacggct tcttctgggg taaagacctt gaagagccca tcacaggcca acaaaatgaa
                                                                     360
cctgtcattg ggggtcagct ggcagcgtct gatgtcgggc acagaggtga caccgcagcg
                                                                     420
cttgtactgc ccgtccccaa tggagcgtga cacctctagc acgcccaaaa cacgcccatc
                                                                     480
cctgacgttt cctccagcct tctgtatcct catccgctct tcatactgag ttggattatg
                                                                     540
```

```
ctctttgctg aggcttaagg ctgcatgttt ttgactctcc tcattataac gacacaagat
                                                                      600
tgcccgacta tctccgaggt tggcaatata aagaatgttg tctacagcca gaacacacgt
                                                                      660
ggcagtggac ccatctttcc aggcaggctt ctggctggaa gcttgtttaa ggaactcttc
                                                                      720
atcagtatgc ttgaaagtgt ccaaaaggca tctcttcacg gttttctcta cactgattac
                                                                      780
atctccttta ggaaattttc tgattaagtt ttgatgcaaa ttctgtgcag caaattttga
                                                                      840
ggctcgaatt cctccatgtc catcaaaaac agcaaaatat gaaacccgag taatgaggga
                                                                      900
cgatgggggc ctacactect cggtgatgtc gttcaggatg acgtgggcat cctgcatctc
                                                                      960
ctccctctca cccttccgct cagccacata gcccttcaga ccaaagatca ccgaagaggc
                                                                     1020
tttacaaact ttcttttcca caagetette actgecatte ttctetteet eggaggtttt
                                                                     1080
tetetttget eettteeett eagtetttae eatetgggat attgatgtgg eaagagaace
                                                                     1140
tgaatcgcca ctgctagcgg gtgggagatc atcaaaaagc aaaggtcccc ctgatcctga
                                                                     1200
gtcagtactg ctggccggag ggaggtcatc aaagagcagg ggtcctttct gagcttcttt
                                                                     1260
cccggcagcc gggcgcggcg agcgctcggg ctccggcagg tccccgaaga ggtccatgqc
                                                                     1320
ggaggetggg tggaggegge ageagegaea gacaeteage eegegageag eggeeggget
                                                                     1380
ccacgaaatc gtcgacccgg gaat
                                                                     1404
```

```
<210> 7227
<211> 991
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (45)...(565)
<223> similar to gi4929743 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7227 cccacgcgtc cggcgaggcg cccgaagccg tcgcggcggg gaccatgttg cttccgaaca 60 tectgeteae eggtacacea ggggttggaa aaaceaeat aggcaaagaa ettgegteaa 120 aatcaggact gaaatacatt aatgtgggtg atttagctcg agaagagcaa ttgtatgatg 180 gctatgatga agagtatgac tgtcccattt tagatgaaga cagagtagtt gatgagttag 240 ataaccaaat gagagaaggt ggagttattg ttgattacca tggttgtgat ttcttccctg 300 aacgctggtt tcatatagtt tttgtgctga gaacagatac caatgtattg tacgaaagac 360 ttgaaacaag gggttataat gagaagaaac taacagacaa tattcagtgt gagatttttc 420 aagttettta tgaagaagee acageateet acaaggaaga aategtgeat cagetgeeca 480 gtaataaacc agaagagcta gaaaataatg tagatcagat cttgaaatgg attgagcagt 540 ggatcaaaga tcataactct tgacttataa ggctagctac ttaataatca ctcttgttga 600 tatctctgcc gacatcatag aaattgttca agtgtcagta acactttatt aaaatcatgt 660 tgcagaacca gcaggtggat agtatatagg tttatgcctg tgtttctttt tctccatgag 720 aaagctaaac atgaaatata atgaatatag tattattaag gattgagaca aaaactgtga 780 ttttaatact taaattgcta aagaataaat aaatctgaca aaatgggtgg atatctttta 840 agtttattac agaaaaaaat gcagatgatc tcttaaaata aaactaaaga taaagcaaaa 900 aaaaaaaaag gggggggccc tttaagggaa ccaagtttta ttcccggggg ggggggaggg 960 taaattttt tatatggggc cccaaattcc t 991

```
<210> 7228
      <211> 791
      <212> DNA
      <213> Homo sapiens
      <220>
     <221> misc feature
      <222> (761)...(279)
      <223> similar to gi3688090 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
      <400> 7228
ttttttttt ttccaaaaaa acagccttta ttgagcagct attgggcagt gacgctgccg
                                                                       60
aggegggaat cecaceaeag teetgaeege agetgggaee cetttgeete etetgaeaee
                                                                       120
cccacctcaa tttgataccc acttcctgag caaatgtgac ccctagggcc tgggattccc
                                                                      180
aaaatgacca ccccgaaatg cagcggcccc accgtctcct gaggccggtg aggccagggg
                                                                       240
gcagcagtgc ggctcagcag gtgcgaggca ggcttaggat ttcggaatca ccacctggaa
                                                                       300
cttacagacg ggcagggctg ccacggaggc ggtgaccacg ctctcaatgc ccagggtata
                                                                      360
gagggcgccg cgcaggaggc cgcaggtgaa ggccaggaac ttgggtgctt cctccagata
                                                                      420
ctgcaggcca gaggccatcg ggaggaggag ggggaagctg ttgtcttgca ggacgtaggt
                                                                       480
cccctggtga ttggtgcgca ggctgtccat ctgcttctgg aacaccgcca cccacaggtc
                                                                      540
tttgcacaag aacttgagga catccagctc ctccctgaag gccagcgtct cccggggcag
                                                                      600
cetetegeet agageetgge ceacaeggaa eeccataeee tecaggaeeg acaggeteat
                                                                       660
ettetgtece eeegggeegg ggteggggte gtgageecae ageteageea ceateteegt
                                                                       720
gtgaagaaac tcaaacaaca cagtatccgc catgccccct cctcgcacgc ctaaagatgc
                                                                      780
gccctcgtgc c
                                                                       791
     <210> 7229
     <211> 624
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (452)...(185)
     <223> similar to gi951423 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7229
ttttttttt ttgggggtgg tggggcgagt ttaattcata aagaagcctc ctgatcagaa
                                                                       60
aggggcctaa cagcctgccc ttggagagaa gtccttcctt gaggataagg cctcccaggg
                                                                      120
gaggaggtgc tgggggccag tgttaggctt caggccatcc ctggaggcca gtcctgtgct
                                                                      180
cagcaagtag tggcagagcc tggagtgatg agtgggatgg ccttctcagg tacaggactg
                                                                      240
tgctgcttct ggctgctctt gcatttgcat ttgccactca gaactgccgc gatcccagca
                                                                      300
atggccagga gccctccgca gatcagtccg ctcagctgca ggtttttcca gtcatagtag
                                                                      360
aagggatcgt ctttattggc aaatgggtca ttggcttcca aggcagtcag gcctgccagt
                                                                      420
aggagaaggg ccagggtcac tctctccatg tcacagttcg aggggcaggg ctgcagggg
                                                                      480
```

```
agaggcactg gggcgggggt ctgcagccca cggatctgct ccaggctcac agctcaattg 540 gtcaactgtg tgactctgca ggttcctcac tgctccttca ccagtgtcct gcgaggtcac 600 cttggcgagg gctcacctga gctg 624
```

```
<210> 7230
<211> 2902
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (115)...(698)
<223> similar to gi4093190 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7230 tgggaccaaa acaaaggagc ggcggccggg agcggactta ccttaccttc tctgccttcg 60 gcgcgcttct cagccgggcc gccgacccaa aggagccgtc cgactatgtc taacatggag 120 aaacacctgt tcaacctgaa gttcgcggcc aaagaactga gtaggagtgc caaaaaatgc 180 gataaggagg aaaaggccga aaaggccaaa attaaaaagg ccattcagaa gggcaacatg 240 gaagttgcga ggatacacgc cgaaaatgcc atccgccaga agaaccaggc ggtgaatttc 300 ttgagaatga gtgcgcgagt cgatgcagtg gctgccaggg tccagacggc ggtgacgatg 360 ggcaaggtga ccaagtcgat ggctggtgtg gttaagtcga tggatgcgac attgaagacc 420 atgaatctgg agaagatttc tgctttgatg gacaaattcg agcaccagtt tgagactctg 480 gacgtccaga cgcagcaaat ggaagacacg atgagcagca cgacgacgct caccactccc 540 cagaaccaag tggatatgct gctccaggaa atggcagatg aggcgggcct cgacctcaac 600 atggagetge egeagggeea gaceggetee gtgggeaega gegtggette ggeggageag 660 gatgaactgt ctcagagact ggcccgcctt cgggatcaag tgtgacggca gaacccgctc 720 tgaggtttcc tggccatagc caccetttga aatgetetet gtgtgttaga gagatactat 780 accctagaaa ctctgaacac gccagaatgc tgaaatgccc ttctaccttt gggtttacag 840 ccccctccac, ataaattaag aaattcagta tttctgcact cttagctgga ttctaaagtt 900 ctgtatagct cgtaatgatg gtatttttat agcagccttt taacagaact agttaatttc 960 gtgtatatga atctttctcg aagatctggt caaaactgta ttcagtttcc tgcccagaat 1020 1080 ggcaggtggt gcataaaagt taaagagagg ggaaagatta cttagtttgg ttatacagtt 1140 ataaacacca tgcagtgtat tcggtggact gtgctatttc tgtttatcct ttgggttttg 1200 gtttttgttt ttttttttg ccttcacagt gagactgcaa atgattgttc tcataacgta 1260 tattattaat aaatgtggtc ctataattta tactgaaatt accttaggat atttttgcat 1320 aatactctct tactgcttac attctataaa tttttcacgt gataattgtc tttgcgtaac 1380 tgggaaaaat gccgaataac ttcctttatt atctggaaaa attaaatttg ttcatttata 1440 ttttctactt actaaattga gtttttaaaa agacttagtg tgacatttga cagtgtcttt 1500 caaacgaact tctctaacaa gtttatagtt attttcctgt ttcaacacta ttagaagtct 1560 tataaattat gctaattagc atggcagtca tgttacacac tcttaacatt gccaaagaac 1620 tgttgatttc gtttgagaaa accctgggac tgtgtgtgtg taggttttgt tttgatttta 1680 acaaccaaaa atagaaataa aattagaact gcgttttaag ttctaatttg catttattaa 1740 tttgtccaaa agcaagaact cttggaaatc cttgaaaata taagctggaa tgttttactt 1800 agccatgcaa gtcatttatg tatacatcca gccagctgga aatctgagaa gtaaagaggt 1860 aggactggaa ggaaggagaa agcttgagtc tttaaggcta gagcccagct gtgctgcctg 1920 ccatcttctc aggaatggca gtgcgtattt tctggctgaa aagtaaagca tgtatccacc 1980 gctttctcat agcctcgaaa catggagaaa agcaacttgc ttttgccttg gcaagcatgc 2040

```
taacctaagt taattcaagt tttttttaac ttaccctttc cttcactgga agatttttcc
                                                                    2100
ataagagaat tocattgttt cagaaaataa ttataggggc cottocaagt totttgaaag
                                                                    2160
attcataacc aactattcac tattataaca tgtttcccag tgtaaatgag taaggaaaaa
                                                                    2220
                                                                    2280
aaaagtgtaa caggtgcgtg cagatgagga gtgaccctca tatttaagtt attttatatt
tgactggaca ttgttcagaa gtgtgcttta agggacactt gttggttgtc tgcccagcat
                                                                    2340
ctctcaagaa tatccctcct gtcctccaca tggttgtgca gggccatgtg tgaagacagc
                                                                    2400
                                                                    2460
atgagtetta acceetettt tattttattt ttgagacaga gtetegetet gttgeecagg
ctggagtgct gtggcgcgat ctctgctcac tgcaacctcc acctcccggg ttcaagtgat
                                                                    2520
tctcctgcct cagcctgccg agtagctgga attacaggtg tgcaccacca tgcccagcta
                                                                    2580
qttttttgt atttttagta gagacagggt ttcactatgt tggccaggct ggtcttgaac
                                                                    2640
tectgacete aggtgateeg eccaceteag ecteceaaag tgetgggatt acaggeatga
                                                                    2700
gccactgcac ctggccttaa cccctcttta gattggaaaa aataattaca actttaaaaa
                                                                    2760
tagcttagtg ttgaaccctt tggtaaacta aagacccttt tataatgcac atattcccaa
                                                                    2820
caaaattaat atattttgtg agattaaaca atgcttgtat atgcttgaac tttcttaaaa
                                                                    2880
                                                                    2902
tatgtccatg tcatactatt at
```

```
<210> 7231
<211> 1445
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1157)...(816)
<223> similar to gi3886059 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7231 60 tttttttttt cagaatgaaa acacttacaa atcattttta ttatgaataa tttaggatat ttgggacatt catttctgag taaaatagtt caaaatagga ttttgttgat acctgttgat 120 acatatttag aaacaaaaat gagatatcct tttgaaagtt tgcctttgta gtaaattcag 180 tcattcaaat tgttttctct caagacccaa aaatgccagg ggcattgccg gctcttgagt 240 300 ttattctttq tttcttcatc aaattcttcc atqqqactct attaggtttc ccgggggtcc 360 cagctcacct aggggggaaa ggggggtaat cgggttcccc aaaatgactt tatcctttcc tatggacatc tggttaacag cttgagggga cagaggatca tgaaccaaag catctgtgta 420 480 aaaggaacca aggtatttct tcgggttcat ggggttgtcc tgggcacaca gatctgggcg catgctgaat ccatgggaga ttcttcccac tgtgaagggg aaggcaccac caccatgtgc 540 gaaacacact ttcagtttgg gaaacttctc aaatactcca cccatgatca tggagcaaat 600 660 ggctatggtg gtctctgctg gcattcctac aagccaaggg agccagtatt tggccattcg 720 tecatecate tgeatgtece agggatgeae gaacagggaa caetteagee ttteggetge 780 cgcatagaca ggaaagagct cctgcgcgtt caggtcccac tcgttgacgt gggtgccaat 840 ttggaccccg ggaaagccca gctctttcac acagcgctcc atctccttga ccgccagctc 900 aggggcctgc atgggcaacg tccccagacc cacgaacctc ctggggtagc tcacaacggt 960 gctggcaagg tcgttgttta aaagctggca caggtttaaa gtgtcctcag gtttggccca 1020 gtagctaaac atgacaggaa ctgtggaaag ggcttgcact gttactcctt tttggtccat 1080 ttetetaata egaaettetg gateeeagea attetetege accaetetga agaettteee atctttcaac aactttgctt ctcccttgct gtggtgttgg agctgcaccc agcctccgta 1140 1200 gccaaacctc tttcactggc tgccctgttt tccctgtctc acttcctcac tctactggtg 1260 tttcctggga tcacctccaa agcaaactac ttgcatctga atccttgtct cagggtctgc 1320 ttttttagat ctggccattc ttttggtaga atatgactat ggatgtcaat tttcatctcc

```
acaggatcag agaagcatgc aaggaaagaa gttttgatat caagagacct ttgtgaaaac 1380
tgtggagtta attgatttac ttagtccctt tacagcaacc ttcaggcagc agtcagtagg 1440
cctgc 1445
```

```
<210> 7232
<211> 1565
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (125)...(1168)
<223> similar to gi30446 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7232 gcggacagag ggctggaaac aagacgctcc agaatcagga gcttcccctc aggaaatagc 60 atcctgtgtc cccgcactgc agttgtctgg tctctccagc agtttggtac ttccggctgc 120 tgcaatgcgt gtggtggtga ttggagcagg agtcatcggg ctgtccaccg ccctctgcat 180 ccatgagcgc taccactcag tectgcagcc actggacata aaggtctacg cggaccqctt 240 caccccactc accaccaccg acgtggctgc cggcctctgg cagccctacc tttctgaccc 300 caacaaccca caggaggegg actggagcca acagaccttt gactatctcc tqaqccatqt 360 ccattctccc aacgctgaaa acctgggcct gttcctaatc tcgggctaca acctcttcca 420 tgaagccatt ccggaccctt cctggaagga cacagttctg ggatttcgga aqctqacccc 480 cagagagetg gatatgttcc cagattacgg ctatggetgg ttccacacaa gcctaattct 540 ggagggaaag aactatctac agtggctgac tgaaaggtta actgagaggg gagtgaagtt 600 cttccagcgg aaagtggagt cttttgagga ggtggcaaga gaaggcgcag acgtgattgt 660 caactgcact ggggtatggg ctggggcgct acaacgagac cccctgctgc agccaggccg 720 ggggcagatc atgaaggtgg acgccccttg gatgaagcac ttcattctca cccatgaccc 780 agagagaggc atctacaatt ccccgtacat catcccaggg acccagacag ttactcttgg 840 aggcatette cagttgggaa actggagtga actaaacaat atecaggace acaacaccat 900 ttgggaaggc tgctgcagac tggagcccac actgaagaat gcaagaatta ttggtgaacg 960 aactggette eggeeagtae geeeceagat teggetagaa agagaacage ttegeactgg 1020 acctttaaac acagaggtca tccacaacta tggccatgga ggctacgggc tcaccatcca 1080 ctggggatgt gccctggagg cagccaagct ctttgggaga atcctggaag aaaagaaatt 1140 gtccagaatg ccaccatccc acctctgaag actccagtga ctqctqcctc ccccacaaq 1200 aactcccttc tcccctcagc caatgaatca atgtgctcct tcataagcca ttgcttctcc 1260 ctcacttctt tcctcaaaga agcatgaggt gagagaaagc cacaaagtca gtgcctggag 1320 aagggttcag cccaacatgg ggcccctctc atcactgaaa tccctctacc ttctctqqqt 1380 ctggcattat aaagaacagc tgaggctgtc attccatgag tcttcagaag aaaggacagc 1440 tcagaaaatc aaagaggcca actgcccaga gccacagaaa atggaggata attgaggcta 1500 agtaacctga ttacaagttg tactaacata ttaaaggttc tgaaaagtcc tgcagcaaag 1560 acaaa 1565

<210> 7233 <211> 1826

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1801)...(1034)
<223> similar to gi1806180 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 7233
ttttttttt ttcctgattt agcagatacg tttattcaac acagtgcatg attcaaagca
                                                                       60
toggatatto cacagocaac aaggtttoot attooctatt acaaaataco ggatacootg
                                                                      120
aatatagete atteaaggte eteggtteet tttteeetat atetagaatt aaacaggttt
                                                                      180
ccccgtttag cgcacatttc acgttcgctg aaggctttgg ggagaggggg aaacagagct
                                                                      240
tatgactgcc cctctgaacc aaaggcactt aatgttaaaa gataaagcac agtagagtca
                                                                      300
ccccacagac attcctatgt gttcaacggc tgaacttcag cataccatca ccggccccat
                                                                      360
gtgggattca tcataacaac gtaaaagaca ctgatttcct tggaaaaaca aaqtqcaqta
                                                                      420
cgaatataaa ggagtcacca cacccctctt ccgaaaataa tacataagag aactcttact
                                                                      480
ttacatgatt agtatcactc aaggttcaca catggaaaaa atagctaaaa aataatctat
                                                                      540
cataaattct cacttatgaa gtcacaatag aatctgatac cctttttaga actggtgagt
                                                                      600
tggagagaca cccagaggtc atgctgtcca tcccttcatt tgatagggga gggcacttga
                                                                      660
ggcccaggaa ggtcaagcgt cggacctggg gtctaacccc tgtggcagag cctgcgtagg
                                                                      720
acgcgggcct cctgaagcct agctcagggt tccctccact ccccttcctc tttaaagact
                                                                      780
ctcaaaagta aaatatggcg atgatctcca aagatgcacc acaccataaa gcacatgcac
                                                                      840
tgacccaggt cagcaatttg gtctcacaag gcggttcctt tggccattgg gcaggtatgt
                                                                      900
aacccacctc agggtgggaa ttctttgcat gggatcgttc aaagttctga gaaaagccca
                                                                      960
atgtaggtca gacacgactg ctccttggac tgggggaagac tttccttggt tgtcagtcca
                                                                     1020
tagtgggcag gcggtcggct gcacagcgga atcccagatt cgaagcagag ctatcaggtg
                                                                     1080
tgttctggct ccgagcagca cagcgatacc tgtaacaata agacctatgg cacatgtagg
                                                                     1140
atccaccttt cttcactcgg tctttcccag aagggggacc ttttgggtta aqcqtttctt
                                                                     1200
caacagaatg atgaacagtc caccagtctg aagtccattc ccatgcgttc cccactatgt
                                                                     1260
tgtataagcc ataaccattg ggagggaagg catcaacagg cgcagttcct tggaagccat
                                                                     1320
cctcaccagt gttggtcacc ggaaactcgc cctgccaaat gttggcataa tgctggcctt
                                                                     1380
tgggctgcag tttgttgccc caggggaaaa gtctattatg caggcctcct cgacagctgt
                                                                     1440
atteceacte agetteegtg ggeageeget teeetgeeca agtgeagtag geaacegeat
                                                                     1500
cattccagga cacatggaga actggatgat ccggcctgtg cagaatagta gagtcaggcc
                                                                     1560
cttctgggtg tctccagtta gcgcctttca caggtaacca ccagggagca gctgcaacct
                                                                     1620
ctgtcaaata gccagttgag ttcacaaact tctcaaattc agtattactg acttcatagg
                                                                     1680
catccatgta aaaggcatca atagtaactc tcctcgcagg tgcttcccca tcctgcttta
                                                                     1740
tetgaggate atetgtgeec attgtaaata etceageagg gatggggace atetttgagt
                                                                     1800
gcgcgagttg ccgcccacg cgtccg
                                                                     1826
```

```
<210> 7234
<211> 1129
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1031)...(274)
```

<223> similar to gi3875535 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 7234
aatgaataca ggtaacacag gtataatttt actgctattc tgattttatg aatgaggaaa
                                                                      60
ctacgtctca gagaggtcaa gctqcttqca taaaqtccca caqaqaqtta qaqaqqqatt
                                                                      120
aaaatacagt teeeetgeet ggttgttett etettttaee atateaetta etaqqqettt
                                                                      180
gtttcattat ccaaaaattc aggtacagca tctaattagt tactaagtaa caattttcaa
                                                                      240
aggetaaaca tgattettaa attttaaaac ttaccgtggt atccacaqce ttqactttet
                                                                      300
ctgtgggaat gtgctttggc tcaggttctg tctgtgacag caccacacat ccttcagccc
                                                                      360
ctaaggtaat gattaccacc tggcagcccc ttttcaagag cactaatgca gcctccccag
                                                                      420
catctgcagc gctgcccacc gtgaggccag ttaaaatctc agcctcactt tcattqcaqc
                                                                      480
agaacacatc tgagagggtg tagaactggg gatccaggtc agcaatggca ggggctggat
                                                                      540
tgaacaaggt tttcactcca ctcctgcggg ccattgttag ggcttccaaa gaagttgctg
                                                                      600
gagttatttc gagctggcag accatgactt tggctctgct aatgacattg gctgctgccc
                                                                      660
tcagatcctc cgtattcaaa agtaaatttg ctccagccac tatgacaatg atattctggc
                                                                      720
cttcattatt gacaattata gaagcagttc ctgtagcagc atctttagtc tgatatgtaa
                                                                      780
attotgtaga aatatoatto tgttttaagt tttotatata atcattgcca aaagaatott
                                                                      840
tgccaacctt acacaccatg gacgtcattg ctccaagccg agcagcttgg acacactggt
                                                                      900
tggcaccttt ccctccaaag ccaataaaaa acttatgtcc atggatggtt tctccagttt
                                                                     960
ttggcaaacg agaagtaaga ctgaccaggt cggtcatgca ggaqcccacc actaccaccq
                                                                    1020
ccgccacctc ctcttgccac tgcctctggg gttccccaga cgccgccatc gctcaaaggt
                                                                    1080
gctgctgtcc aacctggacg gtgaccccac gcgtccgccc acgcgtccg
                                                                     1129
```

```
<210> 7235
<211> 1353
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (174)...(894)
<223> similar to gi6010105 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7235
gcatctctgc acaggtctcc gattggtgca cagcacagcc tggcctttta gggactgttg
                                                                       60
tegegegettt aaagtgatag ggaaagggte cagtggetge tettategae caatcaaata
                                                                      120
ttttcctgac agatcccaaa atattcctgg gccaatggag ggaggagccc aagatgcctc
                                                                      180
tgctgctcct tggagagaca gagcctctta agttggagcg ggactgccgg agcccagtgg
                                                                      240
agecetggge tgetgeeage eeegacetgg caettgettq cetqtqteac tqteaggatt
                                                                      300
tgtctagcgg cgcattccct aacaggggtg tgttgggggg agtcctcttt ccaactgtcg
                                                                      360
aaatggttat caaagtgttt gttgctacat cttctgggtc catagcgatt aggaagaaac
                                                                      420
agcaagaagt agtgggtttt ttggaagcga ataaaatcga ctttaaqqaa ttaqatattq
                                                                      480
ctggagatga agacaacagg aggtggatga gagagaatgt tcctggagag aaaaaacctc
                                                                      540
aaaatgggat teetttgeet eeccagatet teaatgagga geagtaetgt ggggattttg
                                                                      600
actetttett etetgeaaaa gaagagaata ttatttatte etteettggt ttggeteete
                                                                      660
```

```
720
ctccagactc aaagggatca gagaaggctg aagaaggtgg agaaactgag gcacaaaaag
                                                                      780
agggcagtga agatgtgggc aacctccctg aagcccagga gaagaatgaa gaagaaggag
                                                                      840
agacagecac agaagagacg gaagaaatag ccatggaggg tgcggaaggg gaagccgagg
                                                                      900
aggaggaaga aactgcagaa ggagaagagc ctggagaaga cgaagattcc taggcctttt
catgcttcat ttcttccact tctccagaaa atggaagcta tgaagcaaca tttcaaatgt
                                                                      960
ctctccacaa accaaactca acagaatact ttggcttgaa gccggcacac ccagggttac
                                                                     1020
                                                                     1080
tgaggactta tgctgcctga cctggttaga tgtacatgga cggtatctcc cgaatcatac
aaaattaaat gtgaagaccg tttatgcata ccttcatgtg cctgacagtc ttggcttttg
                                                                     1140
aagatttttt ttttcttttt tgctctgcat agctagacca tcttattaat aatactctga
                                                                     1200
                                                                     1260
aaaaaatgat ttcaaggcat ggaagttctc tgtgatacaa caatagtatt tcttcaaatg
egecttatge tacttatete agaaacaggt tttaaaatga agtgetttee agagaaceat
                                                                     1320
catataaata aagattaata gaaaaataaa aaa
                                                                     1353
```

```
<210> 7236
<211> 1502
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1378)...(278)
<223> similar to gi2125812 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7236 atttacttca ggtgtaaaga atattttatt tcaatacttc aatattgaaa tcagctatca 60 cacatateca ccaactgata tttcattgtc catctctcag gagatattca aagtgagatt 120 aatttaatga agccttctca gcaaacctag aacactgtac ttcatcttca aatttaagtc 180 atagcettta ataagttaet teetagteat tattttatag tatttatgaa atagtgeaat 240 atatcaatga ggtatcattt aagaggcaaa tactctatag atttggattt gtcatcccaa 300 ttccttggca ttcaataata taagtatett tageggegte ttetteatet tetgatttet 360 tcacaataaa tttagccttt gctatttgtt cagcaaaatg tatcgcggtt tgcgtatgga 420 gtgtaactgg teetgttttt attetggaaa etecattgge taatgeeatg aaaacaatea 480 gctggtcttg cagatactca tccacagtac caccatgtct aagatttgct aatagcattt 540 cggcagette aattecaact ttgtetgeat ttacaceteg tttaccaage gatgatecag 600 caaacaaaca gccagtggag gtctcagcaa taattattat tccatttcca ttgccaaatg 660 cttggtcttt aggttcttga acaggctgga tgttaacata caaatcccgg atctcctttc 720 tgatgcatct aactgctgcc gctgccatat cttttgctac tttaaatggc aaaacaccag 780 caacgaaagc tcttccatat atcttagtca cacagccacg ctcagttaaa tttatagggt 840 tcaattgttt aactggtgac attcgaacaa tcacttcacc acccctttt gggtaatatc 900 cccttgtttt aatgtcacaa ttaaatatga aaccaaattt ttcaacaatt ggcttgaaga 960 ccatcactgt ataatcgatc tgtggtgcca tttcagcatt agttccacct ttcaaatgaa 1020 gttctgatgg agaagcagca aagagaacac acggcattga gacctgcatc aagaggcaca 1080 cactccctgc tgtcttggta tctgctgtgt ggattccacc tttgatcttc tctggtgtaa 1140 aggttatttc tgttgagcca atttctgccc cctccagttg cccatcacac aaatctcgaa 1200 teatttecag tecagataaa tgttgaggee teaggeetgg egtgeteegg eeggetegga 1260 tettetgeae eegeaagggg aggeetagga gacageteaa ggeegtagag aeteteagga 1320 tetggeegee ceettecatg atgetgeeat egaceteeae eegeggeece geeatggggg 1380 acaccetggg geccageegg cagegacaaa geeteegeea gagegggaga aagaagagae 1440 gttggetece geceagtagt teagaaacet tggtteatge etggggttge aggageetga 1500

cg 1502

```
<210> 7237
     <211> 766
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (321)...(721)
     <223> similar to gi872315 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7237.
ctcgaccgcc tgatgactcc cctcaggaaa cgcgcccaag acgagattaa ccaacgcaga
                                                                       60
tataggaaca ccaagcaatc ttcagcacat tggacatgtt ggttgggata caaatacagg
                                                                      120
ctttgatctg aataatttgg atccagaatt gaagaatctt ttcgatatgt gtggaatctc
                                                                      180
agaggcacaa cttacagaca gagaaacatc aaaagttata tatgacttta ttgcaaaaac
                                                                      240
aggaggcgtt gaagctgtta aaaatgaact gcggaggctt gggtgcgttc aagattcaac
                                                                      300
ttcacccgta acccaccgcc atggccgagg aaggcattgc tgctggaggt gtaatggacg
                                                                      360
ttaatactgc tttacaagag gttctgaaga ctgccctcat ccacgatggc ctagcacgtg
                                                                      420
gaattcgcga agctgccaaa gccttagaca agcgccaagc ccatctttgt gtgcttgcat
                                                                      480
ccaactgtga tgagcctatg tatgtcaagt tggtggaggc cctttgtgct qaacaccaaa
                                                                      540
tcaacctaat taaggttgat gacaacaaga aactaggaga atgggtaggc ctttgtaaaa
                                                                      600
ttgacagaga ggggaaaccc cgtaaagtgg ttggttgcag ttgtgtagta gttaaggact
                                                                      660
atggcaagga gtctcaggcc aaggatgtca ttgaagagta tttcaaatgc aagaaatgaa
                                                                      720
gaaataaatc tttggctcac aaaaaacaaa agtcgacgcg gccgca
                                                                      766
     <210> 7238
     <211> 1339
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (381)...(1132)
     <223> similar to gi4972109 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7238
ccgcgtacgc gcgctcgcac gcatcccggc ctcactgccc ctcgactcct gttccgttgg
                                                                       60
aggggcctga ggcgagcctg agcgcgctgt tggccggagg gaagccggag gagaccgggt
                                                                      120
cgactgggca gagcggcaga gggtcgagga gcctgctctg cacgcccagg gagtagaagt
                                                                      180
```

```
gggcagggag cagggtcacg tgagggagcg cgccgcgact gagcttgggt ccgactggag
                                                                      240
ctcaggctcg cgacccagac tggtgggcca ggcctccaag ccggccttac acccaatcca
                                                                      300
                                                                      360
aggaggacag accggacaca gagggacgga gcgagcaagg agacatggct tcatcattcc
tgcccgcggg ggccatcacc ggcgacagcg gtggagagct gagctcaggg gacgactccg
                                                                      420
gggaggtgga gttcccccat agccctgaga tcgaggagac cagttgcctg gccgagctgt
                                                                      480
ttgagaagge tgeegegeac etgeaaggee tgatteaggt ggeeageagg gageagetet
                                                                      540
tgtacctgta tgccaggtac aaacaggtca aagttggaaa ttgtaatact cctaaaccaa
                                                                      600
gcttctttga ttttgaagga aagcaaaaat gggaagcttg gaaagcactt ggtgattcaa
                                                                      660
gccccagcca agcaatgcag gaatatatcg cagtagttaa aaaactagat ccaggttgga
                                                                      720
atcctcagat accagagaag aaaggaaaag aagcaaatac aggttttggt gggccagtta
                                                                      780
ttagttctct atatcatgaa gaaaccatca gggaagaaga caaaaatata tttgattact
                                                                      840
gcagggaaaa caacattgac catataacca aagccatcaa atcgaaaaat gtggatgtga
                                                                      900
atgtgaaaga tgaagagggt agggetetae tteaetggge etgtgatega ggacataagg
                                                                      960
aactagtcac agtgttgctg caacatagag ctgacattaa ctgtcaggac aatgaaggcc
                                                                     1020
aaacagetet acattatgee tetgeetgtg agtttetgga tattgtagag etgetgetee
                                                                     1080
agtotggtgc tgaccccact ctccgagacc aggatggctg cctgccagag gaggtgacag
                                                                     1140
gctgcaaaac agtttctttg gtgctgcagc ggcacacaac tggcaaggct taatcaaaag
                                                                     1200
actggaaaac tgcagtctgt aatagcataa ggcttccatt atgaaagaaa actaccaaaa
                                                                     1260
ataatacttc ttttccaccc gtctttggta tgtattggct aataaaatca gttctgtgga
                                                                     1320
actgggaaaa aaaaaaaaa
                                                                     1339
```

```
<210> 7239
<211> 3122
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2669)...(2950)
<223> similar to gi5902972 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7239
egteccegge geataagget tegegggege accaggatae eegaagteae eteetgtage
                                                                       60
ttccccagga getgeggtge ettetetggt gtetttttet geggggetea eecagaagee
                                                                      120
tttccccagt gatgggggcg ttgtcctctt taacaaagtg ctggtgaacg acggggatgt
                                                                      180
ttacaacccc agcaccgggg tetteacgge teettatgat gggegetace tgateacgge
                                                                      240
cacceteace ecegagagag aegeetaegt ggaageagtg etgteggtet ecaaegeeag
                                                                      300
egtggeeeag etgeataceg etgggtacag gagagagtte etggaatace acegeeetee
                                                                      360
aggagetttg catacetgeg ggggeeeggg ggeatteeae eteategtge acetgaagge
                                                                      420
gggagatgca gtcaacgtcg tggtgactgg gggcaagctg gctcacacag actttgatga
                                                                      480
aatgtactec acatttagtg gggttttett atateettte ettteecace tetaaggtgg
                                                                      540
ctggggagat gtcaggggaa agatagatag ttgtaaaaac tctaaagctt taatatattc
                                                                      600
ggtttgtatg taatggaagc acggggctag agtttccaca taggccccaa cataaaggcc
                                                                      660
ttccctcgct gttgaggcca ccatgcctta ctgcatccag ccaggctgca gggagtgagg
                                                                      720
cacacggtga acatggccac tgacttttct gccactctaa ctggacaact gqaaqacttq
                                                                      780
gaaaggcctc cacctgtatc tacactctga gggccctgga ctgggcctga gcttgccaca
                                                                      840
gaggeteegt etgaetgtgg getgggagga gggaggeagg ggagageegg teaeggtgge
                                                                      900
tggtctttac tgcagggcag cactgtggcc agctgtctgt ctttacactg catgcagaag
                                                                      960
tttaaacact gaagtgeega agtggeeegt geegeegeac agagaeeeeg actttagttt
                                                                     1020
```

```
1080
gggctgttcc acgcttggct caccattgcc gcctgggact taacctgctc aggcgggcct
tegeceaget geaaataggg atgegttaga gactgtteec aaagettgtt gggeteetta
                                                                    1140
                                                                    1200
aatggcatgt acaatttaag tgcaaagaca gggagtgtca ataaagatgg aaagccattt
ccagttaact tttgttaatt taagtgtggt cccttacaga tcgggagttg ttgctaaaaa
                                                                    1260
gcaaactgaa gaaatgtttt gtttcaaaaa gggctacaga aagtaacctt gagtaaaatt
                                                                    1320
aatctcagct acaaaactgt tacccctccg catccaagct atacacttgg gttttgtttc
                                                                    1380
tggcttgtga agacggacca gatgtgcacg gaggtcacgg ccccatgtca tctgcagctg
                                                                     1440
gageggetee tetggggatg etgeacteag ateceaeage agetgeeeag getaaettga
                                                                     1500
                                                                    1560
tecetgetge tteactgeae caateteeag eagacacage tegeogaget ettgggttte
                                                                     1620
taagcagcag gaagctcaac ctaacgctgg ccacacgctg acagctgagc ccatctgaga
                                                                    1680
acacggcatc ttcacacagc gagacgcctc cactgagggg aggcccggga gtatcaatct
                                                                     1740
gtcaccagtg gccacggaga cctctcagca cccttagttc aaggtagtct ctgtggatca
                                                                     1800
ggttggtaac acctactggt taatcaagtc ccactgggga aaggtttgga cggtagaatc
                                                                    1860
aagagetgea gttteettgg eecacaagat getettatge tgtaaaaaaa atgetttaag
                                                                     1920
aattgtttgc aaatgaattt acagggtggc cactggacac ttcagagttc ctatttactc
ccccgccac agctaggaag accagcaaga actaaaggtt tgccgtttta ctatttaaaa
                                                                     1980
tgtggacctc tttgtccagg agcgggaggg agaatggcat ctcaccccat tacaacagct
                                                                     2040
                                                                     2100
ggggaactgg ctaaagagag ctgtcagaga gtatccttgg ctgtcctagg aatgactcat
ggaaagegee ceagtgeage agtgttttea ggaaaaecea gtgggeaege gecategeee
                                                                     2160
tetectetee teteaegete ettttgaaaa gaccgcacte ggegeecaag gggacgtget
                                                                     2220
caagagctgc aggggcaggg cccaggcaaa aggtgggtga tgactacctg ctgctttccc
                                                                     2280
tactccgtag atgggtctgg aacatcgggt aaaacccagt cctcctcta gtgcatctct
                                                                     2340
actcaccaac aatggtgaat ctcagctctg tgtattcaag acaggcaaaa cagaatatgc
                                                                     2400
ctcattatgg ctggagcgtg cctctacttt gagataaagc tggatgacag gtggatcctg
                                                                    2460
gcccacttag gagacatctt tagaaaggga aaggctgtct ttttgtacag gtagtagaac
                                                                     2520
aacaaggtca gctgagctta aggctgtggg gttcgaagca gcccttcaag aagtcatcac
                                                                     2580
ccctgaagta gtgcctgcga gtcagtcaga ggcataccaa accctgagac agaatcaggc
                                                                     2640
acaagttcac aactttttt ttttttgggg gggagacagt cctactctgt cgcccaggct
                                                                     2700
ggagtgcagt agcgcgatct cagctcactg caacctccgc ctcccgggtt caagcaattc
                                                                     2760
tectacetea geeteeegag tageggggae tacaggtgea tgeegeeaeg eeeggttaat
                                                                     2820
tttttgtatt ttagtagaga tggggtttca ccgtgttgcc caggctggtc gcgaactcct
                                                                     2880
gageteagee aateegeeca ceteggeete ceaaagtget gggattacag gtatgageea
                                                                     2940
ccatgcccag ccaagttcac aacttctgat atcaagttgt tgctgagaaa aggtcaggac
                                                                     3000
acttettaag tagagaagga etgtgacate eectecaaac etceatgtaa eactaacaaa
                                                                     3060
tggcctcatt tacacgatta aaaacaaaat ggtatcgtca ataaatgcaa accttaaact
                                                                     3120
                                                                     3122
gc
```

```
<210> 7240
<211> 5172
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (290)...(4667)
<223> similar to gi4589616 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7240
ggaagaagta cctacacagg aatcagtgaa gtgggaaatt aatgttatta ttaaaaatcc

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tgaaattgtg tttgtagctg acatgacaaa aaatgatgct cctgctttag tcattacaac
                                                                     120
acaatgtgaa atttgctata aaggtaacct tgaaaatagt acaatgactg ctgccattaa
                                                                     180
agatetecaa gtgagageet geeegtttet teeagteaag agaaaaggea aaateaetae
                                                                     240
tgttttgcag ccctgtgact tgttttatca aactactcag aaaggtacag atccacaagt
                                                                     300
gatcgatatg tcagtaaaat ccctgacact aaaggtttca ccagttatta taaatactat
                                                                     360
gattaccata acttcagcac tgtatacaac taaggaaacc atcccagaag aaacggcttc
                                                                     420
ttctactgca catttatggg aaaagaagga tacaaagact ttaaaaatgt ggtttcttga
                                                                     480
agaatcaaat gaaactgaaa aaatagctcc cacaactgaa ttggtaccca aaggcgagat
                                                                     540
gataaaaatg aacattgatt ctatttttat agttcttgag gctggaattg gtcatagaac
                                                                     600
agtacctatg cttctggcaa agtcacgttt ttcaggggaa ggcaaaaact ggagttccct
                                                                     660
aataaatctg cactgtcagc ttgagctaga agtgcattat tataatgaaa tgtttggtgt
                                                                     720
atgggagcct ttgcttgaac ccttagaaat tgatcagact gaggatttta gaccatggaa
                                                                     780
tcttggtatc aagatgaaaa agaaagcaaa aatggccatt gttgagtcag atcctgaaga
                                                                     840
agaaaactac aaagtgccag aatataaaac tgtcatcagt ttccattcaa aagaccaatt
                                                                     900
aaacattaca ttatccaaat gtggtcttgt aatgttaaac aatttagtca aggcatttac
                                                                     960
agaagctgcc actggatctt cagctgactt cgtaaaggat ctagcaccat ttatgatttt
                                                                    1020
aaattccctt ggacttacta tttctgtttc gccaagtgat tcttttagtg tactcaacat
                                                                    1080
tcctatggca aaatcatatg tattgaaaaa tggagaaagt ttaagtatgg attatatccg
                                                                    1140
aaccaaggac aatgatcatt tcaatgcaat gaccagccta agcagcaaac tcttcttcat
                                                                    1200
tettettaca cetgttaace attetactge tgataagatt cetttaacaa aagtgggacg
                                                                    1260
acgtctgtac actgtaagac acagagagtc tggcgttgaa agatctattg tttgtcaaat
                                                                    1320
tgatacagta gaaggaagta agaaggtcac aattcgctcc ccagtgcaga taagaaatca
                                                                    1380
tttttcagtc ccactgtctg tttacgaagg ggatacctta ttgggaactg cctcacctga
                                                                    1440
aaatgaattc aacataccat taggatctta ccgatcattc atttttctga agccagaaga
                                                                    1500
tgagaactat caaatgtgtg aaggaattga ctttgaagag attataaaaa atgatggtgc
                                                                    1560
tcttctaaag aagaaatgta gatctaaaaa cccttctaag gaatcatttc tcattaatat
                                                                    1620
tgttccagaa aaagataatt taacatctct atcagtgtat tcagaagatg gttgggattt
                                                                    1680
accatacata atgcatttgt ggccacctat cctgctccga aatcttcttc cttacaaaat
                                                                    1740
tgcttattat atagagggaa ttgaaaattc ggtttttact ctaagtgaag gacattcagc
                                                                    1800
ccagatttgt actgcacagt tgggtaaagc caggctacat ttaaaattac ttgactatct
                                                                    1860
caatcacgat tggaaaagtg aatatcacat aaagcctaat cagcaagaca ttagttttgt
                                                                    1920
cagttttact tgtgttacag aaatggaaaa gactgattta gatattgctg tccatatgac
                                                                    1980
ttacaatact ggtcagacag ttgtggcatt tcatagtcct tattggatgg tcaataaaac
                                                                    2040
tggccgcatg ttacagtaca aagcagacgg aattcatcga aagcatccac ctaattataa
                                                                    2100
aaagccagtt ctctttctt ttcagccaaa tcacttttt aataacaata aggttcaact
                                                                    2160
tatggtaact gatagtgagt tgtccaatca gttttcaatt gatactgttg gtagtcatgg
                                                                    2220
agctgttaaa tgtaaaggcc tgaaaatgga ctatcaagtt ggtgtcacta tagacctgag
                                                                    2280
cagttttaac attactagaa ttgtgacatt tacccctttt tatatgatta aaaacaaaag
                                                                    2340
caaataccat atatcagtgg ctgaagaagg aaatgataaa tggctctctc ttgatttgga
                                                                    2400
gcagtgtatc cccttttggc ctgagtatgc ttctagtaaa cttcttattc aagtcgaaag
                                                                    2460
gagtgaagat cctcccaaaa ggatatattt taacaagcag gaaaattgta ttctattgcg
                                                                    2520
tctagataac gagcttggag gtattatagc agaagtgaat ttggccgagc attctacagt
                                                                    2580
tattacattt ttagattatc atgatggagc agctacattc ctcttaataa atcacacaaa
                                                                    2640
gaatgaactt gttcaataca atcaaagttc tctcagtgaa atagaagatt ccctcctcc
                                                                    2700
tggtaaagcc gtgttttata catgggctga tccggtgggc tctagaaggc tgaagtggag
                                                                    2760
atgtagaaaa agccatggtg aagtaacaca gaaggatgat atgatgatgc ctatagattt
                                                                    2820
2880
cactgaagat ccaagggtat ttaaagtaac atatgaaagt gagaaagcag agttagcaga
                                                                    2940
gcaagaaatt gcagtggcat tacaagatgt tggaatttct cttgtcaaca attacacgaa
                                                                    3000
gcaagaagta gcctatatag gcattacaag ttctgatgtg gtttgggaaa caaagcccaa
                                                                    3060
gaagaaggca agatggaagc caatgagtgt aaagcacact gagaagttag agagagaatt
                                                                    3120
taaggaatat actgaatctt ctccttcaga agataaggtt attcagttgg acactaatgt
                                                                    3180
tccggttcgc ctaaccccta ctggtcataa catgaaaatt ctgcagccgc atgtaatagc
                                                                    3240
tctacgaaga aattatcttc cagcattaaa agtggaatat aacacatctg cacatcaatc
                                                                    3300
atcatttaga attcagattt acagaataca gatccaaaat cagatacatg gtgctgtatt
                                                                    3360
tccctttgtg ttttatcctg ttaaacctcc aaagtcggtc accatggatt cagcaccaaa
                                                                    3420
gccctttaca gatgtcagta ttgtcatgag atctgcagga cattcccaga tatcacgtat
                                                                    3480
```

```
taagtatttc aaagtattga ttcaagaaat ggatctcagg ttagatcttg ggtttatcta
                                                                    3540
tgctttaaca gaccttatga cagaagctga ggtgactgaa aatacagagg ttgagctttt
                                                                    3600
tcataaagat atagaagctt tcaaagaaga atataaaaca gcctcattag tagatcaatc
                                                                    3660
acaaqtcaqc ctctatqaat attttcatat atctcctatc aagttacatt taagtgtttc
                                                                    3720
actgagttcc ggcagagaag aagctaaaga ttcaaaacaa aatggaggac tgattccagt
                                                                    3780
tcattcttta aatcttttgc tgaagagtat tggtgccaca ctgacagatg tacaagatgt
                                                                    3840
agtttttaag cttgcatttt ttgaactcaa ctatcagttc catacaacat ccgatctaca
                                                                    3900
gtctgaagtc ataagacact attcaaaaca ggccattaag cagatgtatg tactcattct
                                                                    3960
tggacttgat gttttgggaa atccatttgg cttaattaga gaattttctg aaggtgtaga
                                                                    4020
agcatttttt tatgaacctt accagggage catccagggt cctgaagagt ttgtggaagg
                                                                    4080
aatggcacta ggacttaagg cactagttgg tggagctgtt ggtggattgg ctggtgctgc
                                                                    4140
ctccaaaatc accggtgcta tggctaaggg ggtagcagct atgaccatgg atgaagacta
                                                                    4200
ccaacagaag agaagagaag ccatgaataa gcaaccagct qgttttagag aaggcatcac
                                                                     4260
tcgtggagga aaaggcttag tttctggatt tgttagtggc ataacaggaa ttgttacaaa
                                                                    4320
accaatcaaa ggagctcaaa aaggaggagc agctggtttc tttaaaggtg ttgggaaagg
                                                                    4380
tttagtagga gcggtagcaa ggccaactgg aggcatcata gacatggcta gcagtacatt
                                                                     4440
tcagggaata aaaagagcta cagagacttc tgaagtggag agtctgcgac ctcctcqgtt
                                                                     4500
cttcaatgaa gatggagtta tcagaccgta caggttgagg gatgggactg gaaatcaaat
                                                                    4560
gttacagaaa attcaattct acagggagtg gattatgact cacagtagca gtagtgatga
                                                                     4620
tgatgatgat gatgatgatg atgatgagtc agatctaaac cattaaaatt catatgttct
                                                                     4680
ttattttact tggaatgttt cattaacatg ttttgtatga cttataccat aatgcccata
                                                                    4740
tgtccattta tagggaggta aaacacattt tcttttaaaa tgttttccta cacattttca
                                                                    4800
taaagcaaaa taattgtatt atttaagcac agaaaaaaat gtatcttaca tccaaagtag
                                                                    4860
ggagggcatc caacatatta tagatttgct tttatatatt ttatagcttt gtattgcata
                                                                    4920
gtttgtcttt aagagttcaa gttagactta aatataattt tgatgttcac tggttttatt
                                                                    4980
ttaaattgcc ttcttatttg ttagcaaaat gcctttttt aatggtctct gtaaattttc
                                                                     5040
tgggctttaa tgtaatgcca ctgtgtaaaa aaaaaggaag aaaatagtaa tagccattta
                                                                    5100
atgttttata tttatcattt taaagatatt tttgtcaaat ttcttttaat aataataaac
                                                                    5160
atatqtaatc ta
                                                                    5172
```

```
<210> 7241
<211> 2216
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1806)...(1455)
<223> similar to gi5911926 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7241
ttttttttt ttactgattc atacgtttta tttgataata gttcatttta ttaaataatt
                                                                      60
tataaagtca gaccagtgca ttgggcttgt taggggaaac cattccttcc tactgtcaca
                                                                     120
tagcctggca gattatatca ggtgccaaaa cattcccttt tattcaattt attaatgaga
                                                                     180
gtgtggaatt aaagtagatc cttgcatgtc aggaaagctg caacacatct ggtttaagtg
                                                                     240
gagcacaaag gtaagttatt ccacattcac caacttcccc acttgacctc ccaccagttc
                                                                     300
ctgtctgctt tttccatcaa tcaactctaa gatgccctaa acccaaacag ttcccattca
                                                                     360
actgtgcaca aaggtataga tatggaagac atctcactcc aactctcacc tttggaatta
                                                                     420
aataaacctg gaacagggaa ggtgaactat ggctgaaacc aagtgaagat ttttaagaag
                                                                     480
```

```
ctttgacaga aacattaaga ataacacctg aatgcaaatc cagaaaaaag cgctactggg
                                                                      540
                                                                      600
ggaaaatagt cttagccaat gttctaaaaa tgctcataag gaagggttgg ggaattaccc
                                                                      660
tttagacaca agctctaaga actctggata caacgggaac ttggatggat acagtcgggc
                                                                      720
etgetgggee agatgtteeg agggeggeee ggeaageage etgtettgea eattgeaact
                                                                      780
gactggctta atctacggca agagtccttc agctccgtca cagagtactc tccaatgtgt
                                                                      840
tatagttate ettaaagete tteaatteaa ggaagtgett ggeaegttta etettetgae
tggaggggag gtatgtcacc tggatggttg ttggggagac ctcaggggac tgagttaggt
                                                                      900
                                                                      960
ctttggctgc tgactggtga tgtcgctgag agctcccaat tcgtgcttta accgcagtgg
                                                                     1020
ccagctcact cagggcctcc tgatagcgta ggtactcatt ctggccaaag acccctgtcc
catageggge tgtttcatag ccatecaaaa gggtatcaat gagtgetttg egtacaeeet
                                                                     1080
tgaaaggegt actagtgttt egeagateea geaggtagga geggaaatte ttgeecatta
                                                                     1140
aggaacgggg atgccggcct tcagaatgaa atgggatctc agaggtacga atggcatcca
                                                                     1200
gagettteat cetatacaga tagttgtage aactttgatt teeetgggtt teeagttgta
                                                                     1260
gtagtctagc atcatcatct gcaaggagct ggggctcata cttgatatcc tgaaccctgg
                                                                     1320
                                                                     1380
agagtegaat atcaatetee tettteaagt eettggggge attgtgteee acagggacat
                                                                     1440
gaggtcccct tcgagatttc attgcaaagc gcatgatttg cctcttcaca aaaataaata
gcagtacaaa caccaggete eegtaggeca teaccageae gacatteace eeggagagee
                                                                     1500
agttactgcc ggacgccatg gcctccctac ctcgcgcaga attgttcggg tttaccccgc
                                                                     1560
tgtcctggct ggtcagccca ggctccgccg aagcgacggc gcctgggtcc cctggagctc
                                                                     1620
cccggccatt tccttacggg ggaagaccaa gccagacccg gcctgaaaac atggcggaca
                                                                     1680
ggcaggagag ctgggaaagg cctacgggag cctggtgttt gtactgctat ttatttttgt
                                                                     1740
                                                                     1800
gaagaggcaa atcatgcgct ttgcaatgaa atctcgaagg ggacctcatg tccctgtggg
acacaaatgc ccccaaggac ttgaaagagg agattgatat tcgactctcc agggttcagg
                                                                     1860
atatcaagta tgagccccag ctccttgcag atgatgatgc tagactacta caactggaaa
                                                                     1920
cccagggaaa tcaaaagatc ccatttcatt ctgaaggccg gcatccccgt tccttaatgg
                                                                     1980
gcaagaattt ccgctcctac ctgctggatc tgcgaaacac tagtacgcct ttcaagggtg
                                                                     2040
tacgcaaagc actcattgat accettttgg atggctatga aacagcccgc tatgggacag
                                                                     2100
gggtctttgg ccagaatgag tacctacgct atcaggaggc cctgagtgag ctggccactg
                                                                     2160
cggttaaagc acgaattggg agctctcagc gacatcacca gtcagcagcc aaagaa
                                                                     2216
```

```
<210> 7242
<211> 1321
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (836)...(175)
<223> similar to gi995778 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7242
ttttttttt ttcttcaact ttgatatttt attgaaaaaa gtacacaaaa accactgagg
                                                                       60
tacacaagcc caggtaagca taccaagcaa gccccctcac accttttgtc tgaaaaaagc
                                                                      120
ttgacttctt tgcagcaatg tctcgcccat tccagcagca gtatctcagt taacttggtt
                                                                      180
cetttteete caggetcaaa acaaaatcaa actetteetg ggtcagggge tggattgata
                                                                      240
atctctggcg agtgaagaga accatatttt ttaaggggcc accagtagct ttgtgagctt
                                                                      300
gatgatagga tttgagctca gccaggggaa tgaaacgttt catcatccga acaaactgta
                                                                      360
catccaccat ggaccactta gggttgtcct ctttgctaga tgggtcataa tggggattgt
                                                                      420
ttttctcaaa ctgtgtgtgg tctgggtaag cctctttcac gatcttcatg agtcctgcga
                                                                      480
```

```
tgcctggctc tttgcagttg ctatggtaga agaaggcttc ttctcccagc ttcatggctc
                                                                      540
taaggaagtt cegageetgg tagttaegaa caccateeca geatgttgte tgtttggget
                                                                      600
gtgctttgag atcctcaatg ctgaacttca catctacacc tttctctagg cggctctctg
                                                                      660
gctctgactt catcagccag tggctgctta gattcttcaa acagttttta gtggctgaag
                                                                      720
tettetgagg gttggagtee tecaetttag etaatgeete acetgagtte teagttttgg
                                                                      780
tgegttttec tgatagtece ttgtetgaac cagaagtece agecageete tteeggggte
                                                                      840
tegacatggt caegetgeag gggaetttag tgeggaegat tetggaatea aeggagatae
                                                                      900
                                                                      960
aagaaagaat gctaatgtcc tccaaaaccc gcgcagagcg agatggaggc aacgagaggc
agectagaac gtetecaact tttgegaaac acagaegeet aegtttgage ceteaaatee
                                                                     1020
ttccctccgt tatctgcgcc atttccatct cgcataacct gcccctaaac tcttctcggt
                                                                     1080
tetgteettg gteettetea teeaggaace cetateteag tatgtagtte aetgggaagt
                                                                     1140
ggctccacag agacactttt gttgggtgaa tataagtaag ccttgtgtta ccttgttatc
                                                                     1200
cttgctaatt aggatcaact gaatggataa tctagatgat gaagtaattt gctggctaca
                                                                     1260
gacccaacac tetgeagact egactgeggt eegeeteege tgegeegeag getgtgeage
                                                                     1320
                                                                     1321
```

```
<210> 7243
<211> 1477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1478)
<223> n = a,t,c or g

<220>
<221 misc_feature
<222> (1)...(341)
<223> similar to gi2780406 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7243
ttttttttt ttcaaagtat tcaagggctt tattggggcc gccctggctg cccctcacag
                                                                       60
tgttgcaaga accegctggt cttgctgttg cctttgctct ttgggggctt gagaggaaag
                                                                      120
gcagagggag gaccaactta tctgggagag agaaggccca tctttggggc taagaccagg
                                                                      180
tggtgcggaa gcagatttag ggaggggagg gcctacttag gggctggaag gggatggggc
                                                                      240
tgcctcctgg agtgtggtgg tcacagagtg ttggctttgt gggagggaaa ggaaagggag
                                                                      300
gcacacaaga agtcaggaag agtggatggg cggtgcttcc tgggcactga acatgtgcac
                                                                      360
tgcccagggc acgagggcca ggactaggca tggccagagg gtgtacttga ggaaattgaa
                                                                      420
aatgtagaag aggctgatct gaggggggtg gcccagccag tccagggggc ccagcagccc
                                                                      480
catggccage acaaggcagg ctatettetg gccatttece agetgtgccc gacgcacetg
                                                                      540
ggcatagcag ggagagtgca aggcaatgcc caggcccagg gcagcccctg agtcacggct
                                                                      600
cagggaggca aagggccggc tatccacgtg tatccactca ggccgctcac accacttgaa
                                                                      660
ggctaggctg atggaccaag aaagatccag gcccagtgta aagagggtcc aatagatgag
                                                                      720
gctggtgcct agcatgaggg ccagtgcagt caacccatag aagcttagct cccgctccat
                                                                      780
aggcactcgg ggagtcatca gccagcccag gacagcgcca gttattaggc cagccagcac
                                                                      840
ctggtgaggg aaatgtgcta agatgaagat tcgcgacaag ccaaccgcca aaaggaaggt
                                                                      900
gcaataagcc aggctaggca tcaccettac ccageggetg egggeeegag tggccacetg
                                                                      960
cgaagacagg gctgtcatta tgggccagag ggctgctcct gtgatcatgc agtgtccaga
                                                                     1020
```

```
agggetgeet ggaccagtet cacaagaaga ggggaactgg tgaacetggg etggageetg
gctgtagtaa ccagactcat ggacccacca aaagggcctg tctccaaaaa gaaaccactt
                                                                     1140 -
gaagatgagg ttgagccact cggtgatgag gctgatccag agcaccgcga tgcccacacg
                                                                     1200
gcgggaggcg tagtaggccg cggggaagta gaacagaaag aggatcttgg gatcgcccag
                                                                     1260
aaaggtgatc cagagccaca cgttctccag ccaggctagc tggttctgta gcgcctcggc
                                                                     1320
tatcacgatg cccgcgccca gcgtggactc catggcggcc cagctgccga ccaggccccg
                                                                     1380
gcttgctcca gggcggaaac cagagtccag gcaacgaagc agcgtcgacc tcgtgccgaa
                                                                     1440
ttcctgcagc gcggtgcaga ccgntcaatt ccctcct
                                                                     1477
     <210> 7244
     <211> 521
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (469)...(290)
     <223> similar to gi3641538 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7244
ttttttttt ttggaattac aaagctactt ttaatacttt ggggtgagcc ccacaggaat
                                                                       60
aaaaaacact gggaaggggt aaccccctca cccccgggag tggcccaggg ggagagaggc
                                                                      120
tacctgaggg gaaggaagca caaaagggac ccgctgcaga ctcagggcaa agggaatgcc
                                                                      180
atcggtgctg ggacctgtga gcactacagg aggaaacgcg agcgtggtgg gactggctcc
                                                                      240
aggcacacag gcgaagggca agagggttgg acacgaagcc acaaagctac ttgggttcct
                                                                      300
cettettete gtttgeettt ttetgettet getgeatgat eteegagtee etetgettge
                                                                      360
gggcggcagc agaaagcccg tcatctcggc gctttccctt aaccgagtcg ctctgctttt
                                                                      420
tcatattctt ctggcgggcg agctcacgct ggttaccgcg ggtcatggcg acggcagcgg
                                                                      480
ctccaacctg cctccgttac gtcccctcgt tccctcgtgc c
                                                                      521
     <210> 7245
     <211> 2384
     <212> DNA
     <213> Homo sapiens
    <220>
```

<223> similar to gi1255430 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

<221> misc_feature <222> (1)...(2385) <223> n = a,t,c or g

<221> misc_feature
<222> (1941)...(862)

<220>

```
<400> 7245
ttttttttt ttgagaggtt ccaatcaaca tttattgcct tattctttt atctcattcc
                                                                     60
tttttgaatg tgtttatctc ctaagatttt atctgtgatg gaaatgggat gcctgtgaat
                                                                    120
                                                                    180
acaaaagttg cagtggtggc accagggtgg gggggtgcgg ccggggccac catggtctcc
cctgagaggg ggtgctgtct taggtgcccc aagaggccct cgggcagcaa gcgtggggtg
                                                                    240
ctgccaaaat acageteece ctgggtggge aggacacacg tggccteetg gcagacaggt
                                                                    300
                                                                    360
gcctgggtga gcccgctgct cctgattagt catgaatggc acctggtctg ggcgacagtc
accegeagga agecetgage tggccaccat caccetggge agtggetece ggggtgccaa
                                                                    420
caagacetgg geceetegtt etttggtget gagageecea getgaggetg tggaggagge
                                                                    480
cctggacctg gtctggtgtc tgtcagaggc aggtgcccag tcctttgact tgcttctctg
                                                                    540
aattgtcata attgtgctgg aattgtgcca gaaactggta gtgataacag ctcctggaag
                                                                    600
gcctgtggct gctgagggct gcctggtccc cctcaggacg gccgggggag cctctccaga
                                                                    660
agcaccaget ttgtctgcag gtggacgttg aaggggggca gttgggtcag gttcagactc
                                                                    720
acacctgtgg tccccacgac gctggccagg acccggtgtg tgtccctgta gagggccagg
                                                                    780
agcccagggg ccgcctccat gaggatgtgt gtgtatgcca gcatgcctgt ccccggctgc
                                                                    840
acatectece tettgtegta cetecaggeg etgttgaett ggagaaaceg agacacacet
                                                                    900
gtctgggcgg ctgccacgtc aatgtgcaga aggacgtctg tctggggggg caccagctgg
                                                                    960
tgcagcctct gcattgcgac gccacctggg tagttgaaat gggacacata cagggccgtg
                                                                   1020
gctgagtagg cggcattcac cacgaggtgt ccgatcacaa gcagagaccc cgctttgtac
                                                                   1080
agccaagact ttttatagtt attcagcagg taggagcagc ctctggcagc cgtgatgttg
                                                                   1140
agcatgggga aggcatagat gatgaagcgt agctccttgt gtggcaggag ggagtagagt
                                                                   1200
gccatgaagc ccagtgccag caccgtcggc gcgtgcgtcc ttctgtctac caagcccagg
                                                                   1260
gggatgaaga gcaggctgca gcccaggccg cggggcaggg ctgagtagaa gtaccacagc
                                                                   1320
agcggggagg tcccccagtt ggagcttttg ttcaggacag tgttgtacca aagcaccttt
                                                                   1380
cetteeggee aagtgagetg eegecaaaaa taagagteea eagcaacegt eagteetaaa
                                                                   1440
cagaggatcc ctgccgggac ggcgtggcga agggctctga ctacagaaac ctttcggttg
                                                                   1500
cccaaggcca gcagcagcag gaggcccagg aacaggcaca gctccaccct gaacacgatg
                                                                   1560
atggcgaagg ctgacagcca gatgaagcgg gcccactcgt gccgcagcca ggccgcgagg
                                                                   1620
gccagcagga ctacaggcag ggccagcaca ttgggcagtg tccgcgtgca gtagaacatc
                                                                   1680
aggtggaact gcatggccgt cacccagcag aacatggtgg ccaccatggc cccgaagtgc
                                                                   1740
cgtctcactt ccttttgtaa cgtccagagt ccaaaaatca cgccgagtcc aagcactcct
                                                                   1800
ctaactatta gctgagagta aaacttggac atttctaaca gcgaaagcac gtaaaccgcg
                                                                   1860
gggctggaga acactgcgat caccactggc ccgaggaacg tcctggggac gactccgggg
                                                                   1920
aactcaagat ggtcgtactg ctccaggtct tgccagtggt agagcaggtc atgtgtggcc
                                                                   1980
tgcaggttga ageteteete caetttggtg tagggacaga tgaccaggtg gacagtgget
                                                                   2040
acggccacca gcagccccag cagcaggggc cgcctgcctg atgacccctt tccagccatt
                                                                   2100
ccaggettte agetteacgt acetteacag gecaacagtg cgagacacca gecgttagea
                                                                   2160
etgecactee aegeatgete egeageteee ggeggegtee ttegaagege ggetgeetgg
                                                                   2220
2280
gcccaaatct aaagtggcta ccgcagcccc ggccgctacg gccgcagaga ccctctgtgc
                                                                   2340
cctgagacga aatcgtcgac ncgggaattc cgnaccggta cagc
                                                                   2384
```

```
<210> 7246
<211> 1418
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
```

<222> (1024)...(0) <223> similar to gi1050525 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

<400> 7246 tttttttttt atttttttt ttggacaatg cttttaatgg caagtcatca cagcaggtct 60 geggaggtgc agggcagegc teaggeettg eteagtttea ttettgatqa aqtaqeteae 120 cagcegetge ggeetetaga tggtactege tgagcacatt gegagggget getgatetgg 180 tececettee aggeggttea ggagggtgae acacaceaeg geegettgga ggeegeagge 240 gctggcacat ggcgggcaaa caccgatgga ctccatctcg atattgcggg acgccggctg 300 cataggetge etecagatae geetgettgt cetteteegt gtaggageag agageeecat 360 ccagacggcc ttgcccttca tagaagtcca aggtgcacat ggtgttcccc accactgtgg 420 tgaactcgct cagctctgca gaacacagca acagctcctg caccagcttc ttgttaaggt 480 cegttttceg gatgaccege ttecceagga caatetgete aaaetetgee ttgaagcagg 540 tatecactge etgetetgtt atgaccacag tgeegggete cagacetate ceaccagaag 600 tgccaatgcg gatgatagtg acgttggagc accgggcata gtacagcagc tttatgagct 660 catgcaacat gattgagata gaaggaatgc ccataccatg actgacagac agcaccggtc 720 ctactttata catggcatag cggtcagttc ccgcacagat gttgggatag tctctacctg 780 ggcagtcaag gcccagctct gcaccaacgc acctgatgaa ggctttcatc cgggaggggc 840 ttccaccaac acacacaac ttcacatctc caaacaaggc tgggaaattg tgtctgctag 900 tggtgagatt gaaatgatag agaatatett ettteatttt tgetatgttt ggatttaaaa 960 gtctgacggg gcaatcattg tgactttcag ctttctctgc attggctccc gtggccgcca 1020 ttccgccaac tgaggcagga cccgtcagag gagagcggct ggaggcggac agacgtctgc 1080 agtgggaggc gctccaggcg ttccaggcag tgtcctgccg qcqaqtcacc cqcqaccqcq 1140 agtcacctca ccaagccctg aattgggaca ggagacgaga cgtgtcgacg agctgcggag 1200 tteetegett etetgggeee aeteggeetg egeagagage egetaeaeee geggegeeat 1260 cetegeactg egacacegge gacaaaegca atgeteeagg geeggaegaa gggaeggete 1320 tcgggaggct cgcggacggc ggggcgcggg tctgtgcgcc ggagcactcg aatgagggaa 1380 ccacttgcga ggtgaatctc atatggagtc tgcgagcg 1418

```
<210> 7247
<211> 4120
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (252)...(1897)
<223> similar to gi3327192 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7247
acgcctcgaa gaatccgcta tcggctgtct gcacaaccgg aatcatgtcg agtttggcgg 60
tgagagaccc ggcaatggat cgatcactgc gttccgtgtt cgtggggaac attccatatg 120
aggcaactga ggagcagtta aaggacattt tctcggaggt tggttctgtt gtcagtttcc 180
ggctggtata cgatagaga acgggaaaac ccaagggcta tggcttctgc gaataccaag 240
accaggagac cgcgcttagt gccatgcgga acctcaatgg gcgggagttc agtgggagag 300
```

```
cgcttcgggt ggacaatgct gccagtgaaa agaataagga ggagttaaag agccttgggc
                                                                      360
ctgcagcgcc cattattgac tcaccctatg gggatcccat cgatccagaa gatgcccctg
                                                                      420
aatcgattac cagagcagta gccagtctcc ccccggagca gatgtttgag ctgatgaagc
                                                                      480
agatgaagct ctgtgtccaa aacagccacc aggaagctcg aaacatgtta cttcaaaatc
                                                                      540
cacaactggc ttatgcactg ttgcaggcac aagtagtgat gagaatcatg gatccagaga
                                                                      600
ttgctctgaa aattctgcat cggaagatac atgtcacacc actgatccca ggcaaatctc
                                                                      660
agtetgtgte tgtetetgge cetggeeetg geeetggeee tgggetetge eeaggaeeta
                                                                      720
atgitetget gaaccageag aateeteeag eteeteagee teageattig getagaaqae
                                                                      780
ctgtgaagga cattcctcct ctgatgcaga ctcctatcca gggtggaatt ccagctccag
                                                                      840
ggccaatacc agctgcagtt cccggagctg gtcctggttc cttaactcct ggaggagcaa
                                                                      900
tgcagcccca acttggaatg ccaggggttg gcccagtgcc tttagagcgg ggacaagtgc
                                                                      960
agatgtcaga tectagaget cetatacete geggaceegt gacteetggt ggtetgeete
                                                                     1020
ctcgaggact gttaggagat gctccaaatg acccacgtgg agggactttg ctttcagtca
                                                                     1080
ctggagaagt ggagcccaga ggttatctgg gtccacccca tcagggtccc cccatgcatc
                                                                     1140
atgcctctgg tcatgacact cgtggccctt cctcacatga gatgagggga gggccattag
                                                                     1200
gagateceag actgetaatt ggagageeea gaggeeecat gatagateaa aggggtetae
                                                                     1260
ctatggatgg tagaggtggt agagattctc gagcgatgga gactcgtgcc atggaaactg
                                                                     1320
aggtettaga gacacgtgta atggagagga gaggaatgga gacetgtgeg atggaaacca
                                                                     1380
gagggatgga agcaaggggc atggatgcaa gaggattgga gatgaggggc cctgtcccca
                                                                     1440
gttcaagagg ccctatgact ggtggaattc agggtcctgg tcccattaat ataggggcag
                                                                     1500
gtggccctcc tcagggaccc agacaggtcc caggcatttc aggggtgggg aatcctggag
                                                                     1560
ctggtatgca gggtacaggc atacaaggaa caggcatgca gggagcaggc atacaaggag
                                                                     1620
gagggatgca gggggcaggc atacaaggag tcagtataca aggaggaggt atacaaggag
                                                                     1680
gaggtataca gggggcaagc aagcaaggtg gaagccagcc tagcagtttt agtcctqqqc
                                                                     1740
agagccaggt cactccacag gatcaggaga aggcagcttt gatcatgcag gttcttcaac
                                                                     1800
tgactgcaga tcagattgcc atgctgcccc ctgagcaaag gcagagtatc ctgattttaa
                                                                     1860
aggaacaaat ccagaaatcc actggagcgt cttgaaaggt tttagaaaat atttqqctqt
                                                                     1920
agteteaaat tttattetgt ageatggaga atgggtgeaa aaagetgaet tetgtateee
                                                                     1980
cacacttgga ttagggtttc cctcctccta gaacctaatc ttattttttg ttcttttct
                                                                     2040
ttctttctgt tttccttttt tttttaattg agggtggggg gaggagggag tgcgtctgtt
                                                                     2100
cactttaagt tactttaaaa taactctgaa catgattata ttatgccaaa taagattaca
                                                                     2160
aagaataagc agcaatattg aagcatctac agtatgttaa ctacattttt taaatgtcga
                                                                     2220
gtaaaacttc gtgaaaactg ctcataaaga ctaaaagttg acctgttaaa acgttaatgt
                                                                     2280
actaagatag ttttaagatt tttggttgta taacaaaata aaagtttacc caaaagtata
                                                                     2340
agatacattt tttggtaaac catttaaaat acaaaatcct attttggagg caataggata
                                                                     2400
agcattgtct tagtgtttta gaattatttt tgaaacagag ttaacaggat aaggttacac
                                                                     2460
ttgtattaga attgttttt tctaaagtta tgttacctga aaaatcaagg agtgcacctg
                                                                     2520
atttactgtt gcttcattta tcccatcctt cagagaccag caaggttctg ccaggccca
                                                                     2580
agcatctgag catgatgatt ttgctgtgac aattctaaga tcaaccaggt tacttaagtc
                                                                     2640
cgctctgatg aaacccagtc tctcaatacc ttcctatttc tcaatagtct ttaagcccta
                                                                     2700
aatctgagtc agtaattctc taaaaatcct tcccaaaaat cagtgtctag ggactggttg
                                                                     2760
atctagatga gttataaatg gtatttgact tttcataagt agtggaaggt ttcactaagt
                                                                     2820
aaagatctga gtttcttggt atctgacgtt tgtatacaga tggtgtccat ttgctcaacc
                                                                     2880
agacaggagt taacttgtat tagaattgtt ttttctaaag ttatgttacc tgagaaatta
                                                                     2940
aggactgcac ctggtttaat gttgcttcac ttatcccacc ctacagagac cagcaaggtt
                                                                     3000
etgecaggee tegageatee aageatgatt ttgetgtgae aaatetaaaa teaaccagge
                                                                     3060
tacttaagtc tgctctgatg aaacccaata atctctcaat accttcctat ttctcaatag
                                                                     3120
tctttaaacc ctaaatctga gtcagtaatt ctcttacatc cttcccaaaa atcagtgtct
                                                                     3180
agggactagt tgatctggat gagttataca tgatatttga cttttcataa gtagtggaag
                                                                     3240
gtttcactaa gtaaaactct cagtttcttg gtatctggct ttcttataca gatggtgtcc
                                                                     3300
atttgctcca ccagacagga gttaaaaacc tttaaagagc atttaacatg ccttttagtt
                                                                     3360
ttcttatttc ataatctact tttctatcat taatcatctt accaggaata atcaaggccc
                                                                     3420
aggtaggtag aagtttttat atagcctgaa tactcacttg acttactgct cattttactt
                                                                     3480
tttgcatgga atacagccat ttagtcctaa tatacatacc aatgagacaa ttaaaaattg
                                                                     3540
gttggaagat ggagcttatc acattgtgct actacgactt tattttttct tgaaaataaa
                                                                     3600
gccttgagga tgtgaacata aatgttggta tcataaaaca agtagtaata aaagcataaa
                                                                     3660
ttatcaaata tcaggtgatc ttactatgga gaagaaaaac caatatctag ttacagatga
                                                                     3720
```

```
<210> 7248
<211> 840
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (40)...(415)
<223> similar to gi311376 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7248 atccaatacc ggagtgactt ggaactccat tctatcacta tgaagaaaag tggtgttctt 60 tteetettgg geateatett getggttetg attggagtge aaggaaceee agtagtgaga 120 aaqqqtcqct qttcctqcat caqcaccaac caaqqqacta tccacctaca atccttqaaa 180 gaccttaaac aatttgcccc aagcccttcc tgcgagaaaa ttgaaatcat tgctacactg 240 aagaatggag ttcaaacatg tctaaaccca gattcagcag atgtgaagga actgattaaa 300 aagtgggaga aacaggtcag ccaaaagaaa aagcaaaaga atgggaaaaa acatcaaaaa 360 aagaaagttc tgaaagttcg aaaatctcaa cgttctcgtc aaaagaagac tacataagag 420 accacttcac caataagtat tctgtgttaa aaatgttcta ttttaattat accgctatca 480 ttccaaagga ggatggcata taatacaaag gcttattaat ttgactagaa aatttaaaac 540 attactctga aattgtaact aaagttagaa agttgatttt aagaatccaa acgttaagaa 600 ttgttaaagg ctatgattgt ctttgttctt ctaccaccca ccagttgaat ttcatcatgc 660 ttaaggccat gattttagca atacccatgt ctacacagat gttcacccaa ccacatccca 720 ctcacaacag ctgcctggaa gagcagccct aggcttccac gtactgcagc ctccagagag 780 tatctgaggc acatgtcagc aagtcctaag cctgttagca tgctggtgag ccaagcagtt 840

```
<210> 7249
<211> 2126
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (471)...(1271)
<223> similar to gil431174 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters
```

```
<400> 7249
                                                                       60
aaatctcccc ttctacagag ttcctccggc gcttcctcca ccccgggata cacagaacct
                                                                      120
catctcctac ggtgctgaag cctgcagcag ggcaggatgg gcaggagagc agagccgcgg
                                                                      180
agtetgegge gegggtgaag ageggegegt aatteeegea geaagattgt teegegeeeg
cageceetgg actageagga teegaaceee ggeggetgeg tgettatagg egeagaegte
                                                                      240
agagageceg eggettaaag egegtegeet ggetagegee acceectage ettetteaag
                                                                      300
gcctccaggg ctgggcccaa gcgcccgtcg acggcaccct gggcccagag gactcgcggg
                                                                      360
                                                                      420
cctcatctcc aatgattcag aactcacgtc cgtcgctgct gcaaccccaa gatgtcggag
                                                                      480
acacggtgga aacgcttatg ttacatccgg tgatcaaggc tttcctgtgt ggctccatca
                                                                      540
gtgggacctg ctctaccctc cttttccaac ctctggatct ccttaaaaca cgcctgcaaa
ccctccagcc ctcagatcat gggtctagac gtgttgggat gttggctgta ctcttgaagg
                                                                      600
tggttcgcac ggagagtctt ttgggccttt ggaaagggat gtccccttcc attgtgagat
                                                                      660
gtgtccctgg cgttggaatc tactttggca ctctctactc tttgaagcag tatttcttgc
                                                                      720
                                                                      780
gaggecatee eccaacegee etggagteag teatgetggg ggtgggetet egetetgttg
                                                                      840
caggggtctg tatgtcacct atcactgtaa tcaagacgcg ctatgagagt gggaaatatg
                                                                      900
gctatgagag tatctacgct gccctgagga gcatctatca cagtgagggg caccggggcc
tetteagtgg cetgacagea acteteette gagatgegee etteteagga atetacetga
                                                                      960
tgttttacaa ccagaccaaa aatatagtgc ctcatgacca ggtggatgca acccttattc
                                                                     1020
ctattacaaa tttcagctgt gggatatttg ctggtattct ggcctcactg gtaactcaac
                                                                     1080
ctgcggatgt tatcaaaact catatgcagc tttatccact gaagtttcaa tggattggcc
                                                                     1140
aagcagtgac acttattttc aaagactatg gactacgtgg cttcttccaa ggtggcatcc
                                                                     1200
cccgagccct ccgcagaact ctaatggcag caatggcgtg gacggtgtat gaagagatga
                                                                     1260
tggccaagat gggcctgaag tcctgaccaa gagaggactg ggaacgggtg aaatctgttg
                                                                     1320
ccctgcttgg tttctgccaa gggctgctgc ttcttactat tctgcagtaa gatgaagtcc
                                                                     1380
tacctggaaa accaggcaga aattgtgttg cctttgcctt cagtaatccc cttaaggaga
                                                                     1440
aaatatatgg acctgatttc agccttcaga atctccaaaa gaggagtcat caattcatag
                                                                     1500
agcacactag ggtgttagga gagagetttg catactetga gaggetaett ggaaaggeat
                                                                     1560
tttcccagga gagetetgte aggtggetge getteageee caccectaca ccacagggte
                                                                     1620
teettgggta tgttettggg caageaatea caaageeaga gaagetgtaa getgeetgee
                                                                     1680
gggcctgagg agctccaacc agggaagact ggatgtgagg agaggagtca ctgtcaccag
                                                                     1740
gtcacagact gactgaggtg atggtaggat gaggaggaac agatgccctt ctttaattgg
                                                                     1800
ttctcagtta acttctcaga ggctctggag aacgggacag tggctttcta gcctctgaat
                                                                     1860
gttccaaata aaattttttg gtcttggccc ctgtactgtt ttacctctaa attctggcat
                                                                     1920
ttttttttcc ctgcaattaa agtgctgtac tttatttatt gaactttatc attgaaagct
                                                                     1980
gtttggaaaa cctaaaagat gttgtcacac ttctgttttc tttacctgtg ccttataaaa
                                                                     2040
                                                                     2100
atggaccaaa cccttttcta aaataaaata gttctagggt ggctggttat tgacctatgt
aggtccctaa aacctaaaaa aaaaaa
                                                                     2126
```

```
<210> 7250
<211> 2200
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1801)...(1176)
<223> similar to gi5912258 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7250
ttttttttt ttgcgctggt tagatcagga tttcttttta ttcctcgttg gtttaaaatg
                                                                     60
gctaatcaga ataaaaaata aaagggcctc tttgtggagg ctgggatctc ccctatttag
                                                                    120
aggttagaac ccaggtatcc cctctaccca gcaccatagt gaggtgggct gaggggtaac
                                                                    180
ccccaaggga caatcggagg ggcctaggcc tgccactcct tctctctatc ccccgttttt
                                                                    240
ggcatgtgat gaaaaatatt gctttttgga ttcttctctc ctggccttgg attttaaaat
                                                                    300
caagttaact gtgtaagcta ggggaggctc caaggggcca gtaggagcac actctaatcc
                                                                    360
ctctccccca aggaggggat tatccaatat tgtttgagct aggccaagtt attttcctqa
                                                                    420
teteccacea ccaccagtgt ettgaagttt tgacceettt eetagggaaa etaaatgeea
                                                                    480
atgageetag aaaaetaatt eteeteteea agteetteee tettgtgaee aaaatteeag
                                                                    540
acteacetet ecceaggett ettectaate acaettagea ecageagagg atgetattte
                                                                    600
cgtagttagt aactgggaca aatgagaggg aaccacagga aaaagactga cgtctcccct
                                                                    660
cttttcctgc tggtctgagg aatgggaaga gtaagatccc cctccgtata tgtatccctc
                                                                    720
cctcattttc ccatcccagg atagatatat aatttctttg atatttataa tatatatat
                                                                    780
tatatatatt atatgtacac acacactgg taacgcagaa gaggaaaaaa atagaatccg
                                                                    840
taacaataat aaaaaaaatt atttctggtt taaaaatgat ctggttccct ccagggcgag
                                                                    900
960
ataaaagggg gggttgctac cccagtctca gggccccaac tctccgactc cccaagccta
                                                                   1020
ctgcatttta gaaaacactc ctcatcctct tggaatcggt ggtttaaaaa atgtccatgc
                                                                   1080
acgggagggg agcccttga gggaaggaag gtggccacct ggggcccttt ggtgtaggcg
                                                                   1140
cagaggcgtt ggggagggga ggtgccgaag gctcacaccg aaatctcata ggtggtacca
                                                                   1200
ccaacccctg acaccttett gactcetece etegtgggge taetgagagg tggetggeet
                                                                   1260
gggccagggg aggctgagcc taagctcttg ggctgcccgt tggatttgct gtaggtggtc
                                                                   1320
ttcagctgta cttcatcttt gggtgtcagt aatggctgca aggccacttc ttctgtctca
                                                                   1380
gagacaccag gttgggcttt ttggctgctg taagacatcg atcggcccag gtatgggct
gttgggcctg gttcagggga ccctactccc cggcccctta gcccatctgg cttgccaaaa
                                                                   1500
cgggggacag ctgggcgtcc cagtggagtc ttgcccaaag gtgatctctt tgaatcatct
                                                                   1560
gaggaggaac tagtacgagg ggcatggccc gagcctggtg ttgactgaat gcctgagtcc
                                                                   1620
cccaagcctg gttcttcctc acggcccggg agtgggggtg actggcgcag caacttctct
                                                                   1680
cgttcctgga gagaggccac aatgtggcgc gacagattgt cgtaacggac tggtgagggc
                                                                   1740
tctcggtgtg ttgggccagt tggcaccaaa cgtgggtgcc tctcagcttc ccgttgctgg
                                                                   1800
gccagcctgg ctgacaggaa gggagaggta tagcctaaag gtgggtctgg ctcaggccct
                                                                   1860
geetgeactg acteaaaate agggetgtet gaaggtgtga geaagetgte ataagatagg
                                                                   1920
cttccattgc gtgtctggtt ggccaggctc ttataggagg tggaggtggt gccctctgaa
                                                                   1980
cgaatggatt gcaactggcc cagctcaaag cctgtgccct gggctgactt gaggctggag
                                                                   2040
gagcgtgagc cactggatag tggatcgaag tgaaaacttt tgccaaaggt aggagaacgg
                                                                   2100
aagetetetg gtteeaaget gggetetgag eggtagetgg ggtgaegget getetetgea
                                                                   2160
attgaggttg gctccttcaa gctgtcccca cgctcgtgcc
                                                                   2200
```

```
<210> 7251
<211> 2251
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (198)...(1342)
<223> similar to gi4176370 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7251
ccagaaatgc agaggagaaa aagcgtttat ctcttcagcg agaaaagatt atcgcaaggg
                                                                       60
tgagtattga taacaggacc cgggcattag ttcaggcatt aagaagaaca actgacccaa
                                                                      120
agetetgeat tactagggtt gaagaactga etttteatet tetagaattt eetgaaggaa
                                                                      180
aaggagtggc tgtcaaggaa agaattattc catatttatt acgactgaga caaattaagg
                                                                      240
atgaaactct tcaggctgca gttagagaaa ttttggccct aattggctat gtggatccag
                                                                      300
tgaaagggag aggaatccga attctctcaa ttgatggtgg aggaacaagg ggcgtggttg
                                                                      360
ctctccagac cctacgaaaa ttagttgaac ttactcagaa gccagttcat cagctctttg
                                                                      420
attacatttg tggggtaagc acaggtgcca tattagcttt catqttqqqq ttqtttcata
                                                                      480
tgcccttgga tgaatgtgag gaactttatc gaaaattagg atcagatgta ttttcacaaa
                                                                      540
atgtcattgt tggaacagta aaaatgagtt ggagccatgc attttatgac agtcaaacat
                                                                      600
gggaaaacat tettaaggat aggatgggat etgeactgat gattgaaaca geaaqaaace
                                                                      660
ccacatgtcc taaggtagct gctgtaagta ccatagtaaa tagagggata acacccaaag
                                                                      720
cttttgtgtt cagaaactat ggtcattttc ctggaatcaa ctctcattat ttgggaggct
                                                                      780
gtcagtataa aatgtggcag gccattagag cctcatctgc tgctccaggc tactttgcag
                                                                      840
aatatgcatt gggaaatgat cttcatcaag atggaggttt gcttctgaat aacccttcgg
                                                                      900
cattagctat gcatgagtgt aaatgtcttt ggccagatgt gccgttagag tgcatagtat
                                                                      960
ccctgggcac tggacgttat gagagtgatg tgagaaacac ggtaacatac acaagcttga
                                                                     1020
aaactaaact ttctaatgtt atcaacagtg ctacagatac agaagaagtc catataatgc
                                                                     1080
ttgatggcct gttacctcct gacacctatt ttagattcaa tcctgtaatg tgtgaaaaca
                                                                     1140
tacctctaga tgaaagtcga aatgaaaagc tggatcagct gcagttggaa gggttgaaat
                                                                     1200
acatagaaag aaatgaacaa aaaatgaaaa aagttgcaaa aatattaagt caagaaaaaa
                                                                     1260
caactetgca gaaaattaat gattggataa aattaaaaac tgatatgtat gaaggacttc
                                                                     1320
cattetttte aaaattgtga tgagtatatg ettatgttet cataaatgaa ggtetgttta
                                                                     1380
gaagatcaac cacattcaat aaggaattgt ggggttcgac atgagttaac tttqaaatac
                                                                     1440
gtatgaattc tggagaatcc tgaaaaagac ggtgcttcaa ccagcttgca tagcacagag
                                                                     1500
aatattettg gttacagaat teatatggga actaggettt taagatgtta ataattaget
                                                                     1560
aagctttagt aacccttact gtgctagtag attttagtag atattggtgt tatattgttt
                                                                     1620
gatgtttgaa aatatattaa tatatgtgcc gaacaagaaa ccgaaagcta tattgtactg
                                                                     1680
tgtattttta ctttagtcct cataatcatg ttgaatttat gtgatcattg attttatttc
                                                                     1740
atatggaaaa gctaatttct tcttaaattt acattaccta atattctcac tagctatgtt
                                                                     1800
ctccaatcca cactgccttt tattgtaata tcatctaaat agatgcagaa aaatggaatt
                                                                     1860
ttctctatta aagtatttta catttgacat aaaaaagaac cagatacagt tttctattca
                                                                     1920
gatatgttta ttttaacatt gtttggttaa aaaaggtgaa gttccagtca accacttttt
                                                                     1980
acccctgaaa tttcaagata atgctatatt aacttttcca gatctaacac tagcttattc
                                                                     2040
ttccctgtta taaaatggtt tgaacttact gaggagatat tcctatcatt aacaaaaata
                                                                     2100
aactatttaa ataatctgtt gttaaaaggc taatgtcatt ttaaaattaa tttttgttca
                                                                     2160
taatgtagct cccctttagc ctttgaatac acctggcagc agtatgctta aaaataagaa
                                                                     2220
gttagttgcc tggcgcagta gctcacacct g
                                                                     2251
```

```
<210> 7252
<211> 4345
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (67)...(3008)
<223> similar to gi5689531 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

	7252					
	ccgggtcgac					60
	ccccgagggc					120
	cgagagctga					180
	agctggcggg					240
	aacaggaaaa					300
	cagttggtga					360
	gtaaagtcca					420
tatgttggct	gtggtgaatc	acaagtagat	cacagcacca	tacattctca	ggagacaaag	480
	ctgtgaacct					540
gtattttgg	ataggaaatt	aggaactcag	ccttcattgc	ctcatgtaag	acaacctcac	600
caaatacaag	aaaacagtgt	ccaggatttt	aaaataccca	gtaatacaac	attaaaaact	660
cctctggttg	ccgtatttga	tgatctggat	atagaagcgg	atgaagaaga	tgaacttagg	720
gccagaggtc	ttacaggttt	gaaaaatatt	ggaaatactt	gttacatgaa	tgcagctttg	780
caggetettt	ctaattgccc	acctttgaca	cagttttttc	ttgattgtgg	aggactagct	840
cgaacagata	agaaacctgc	catttgtaaa	agttatctca	aactaatgac	agagctgtgg	900
tataaaagca	ggccaggatc	tgttgtgcct	actactctgt	ttcaaggaat	taaaactgta	960
aatccaacat	ttcgggggta	ttctcagcag	gatgctcaag	aattccttcg	atgtttaatg	1020
gatttgcttc	atgaagaatt	gaaagagcaa	gtcatggaag	tagaagaaga	tccgcaaacc	1080
ataaccactg	aggagacaat	ggaagaagac	aagagccagt	cggatgtaga	ttttcagtct	1140
tgtgaatctt	gtagcaacag	tgatagagca	gaaaatgaaa	atggctctag	atgcttttct	1200
gaagataata	atgaaacaac	aatgttaatt	caggatgatg	aaaacaattc	agaaatgtca	1260
aaggattggc	aaaaagagaa	gatgtgcaat	aagattaata	aagtaaattc	tgaaggcgaa	1320
tttgataaag	atagagactc	tatatctgaa	acagtcgact	taaacaacca	ggaaactgtc	1380
aaagtgcaaa	tacacagcag	agcttcagaa	tatatcactg	atgtccattc	gaatgacctg	1440
tctacaccac	agatccttcc	atcaaatgaa	ggtgttaatc	cacgtttatc	ggcaagccct	1500
cctaaatcag	gcaatttgtg	gccaggattg	gcaccaccac	acaaaaaagc	tcagtctgca	1560
tctccaaaga	gaaaaaaaca	gcacaagaaa	tacagaagtg	ttatttcaga	catatttgat	1620
ggaacaatca	ttagttcagt	gcagtgtctg	acttgtgaca	gggtgtctgt	aaccctcgag	1680
acctttcaag	atctgtcctt	gccaattcct	ggcaaggaag	accttgctaa	gctgcattca	1740
tcaagtcatc	caacttctat	agtcaaagca	ggatcatgtg	gcgaagcata	tgctccacaa	1800
gggtggatag	cttttttcat	ggaatatgtg	aagaggtttg	ttgtctcatg	tgtccctagc	1860
tggttttggg	gtccagtagt	aaccttgcaa	gattgtcttg	ctgccttctt	tgccagagat	1920
gaactaaaag	gtgacaatat	gtacagttgt	gaaaaatgca	aaaagctgag	aaatggagtg	1980
aagttttgta	aagtacaaaa	ctttcctgag	attttgtgca	tccaccttaa	aagattcaga	2040
catgaactaa	tgttttccac	caaaatcagt	acccatgttt	catttccgct	agaaggcttg	2100
gatetteage	catttcttgc	taaggatagt	ccagctcaaa	ttgtgacata	tgatcttctg	2160
tcagtcattt	gccatcatgg	aactgcaagt	agtggacact	atatagccta	ctgccgaaac	2220
	atctctggta					2280
actgtacaaa	atgcagaagc	ttacgttctt	ttctatagga	agagcagcga	agaggcacaa	2340
aaagagagga	gaaggatatc	aaatttattg	aacataatgg	aaccaagcct	ccttcagttt	2400
tatatttctc	gacagtggct	taataaattt	aagacctttg	ccgaacctgg	ccctatttca	2460
aataatgact	ttctttgtat	tcatggaggt	gttcctccaa	gaaaagctgg	ttatattgaa	2520
gacctggttt	tgatgctgcc	tcagaacatt	tgggataacc	tatatagcag	gtatggtgga	2580
ggaccagctg	tcaaccatct	gtacatttgt	catacttgcc	aaattgaggc	ggagaaaatt	2640
gaaaaaagaa	gaaaaactga	attggaaatt	tttattcggc	ttaacagagc	gttccaaaaa	2700
gaggactctc	cagctacttt	ttattgcatc	agtatgcagt	ggtttagaga	atgggaaagt	2760
tttgtgaagg	gtaaagatgg	agatcctcca	ggtcctattg	acaatactaa	gattgcagtc	2820
actaaatgtg	gtaatgtgat	gcttaggcaa	ggagcagatt	ctggccagat	ttctgaagaa	2880
acatggaatt	ttctgcagtc	tatttatggt	ggagggcctg	aagttatcct	gcgacctccg	2940
yrighteatg	ttgatccaga	tatacttcaa	gcagaagaaa	aaattgaagt	agaaactcgg	3000
cettegtaat	ttttaggatg	tagagagttc	taatgaggaa	tcattttcat	gtgccctgac	3060
acgtacacat	gcgaaaacat	tcctaaaagc	gtgtttattt	gctttatttt	ttttcatcat	3120
LLAUCCCATT	tatttcttct	tagtgggcat	tatggaagaa	tatattaaaa	tgtgtaatat	3180

```
accacaggtt ggtatattta gttttaaata cttaccataa agtctttcag tgtaattttt
                                                                     3240
ttttgagaca gagtettget ttgtcaccca ggetggagtg etgtggtgtt acctcagete
                                                                     3300
actgcagcct ccacctcctg ggttcaagcg attctcctgc ctcagcctct cgagtagctg
                                                                     3360
ggattacagg cacctgccac catgcccggc taatttttgt attttagtag agatggggtt
                                                                     3420
tcaccatgtt ggccaggcta gtctcaaact cctgacctca ggtgatccac ccacctcggc
                                                                     3480
ctcccaaagt gctgggatta caggtgtgag ccacagegec tggcccagtg taatattttt
                                                                     3540
gaaagaggag ggacaattgt gaaatcagta ggttatcttt aatctttaca ctacatgcag
                                                                     3600
                                                                     3660
atccatagta tcctttgtag tgttgtaaat acttttgctt tgaaaacttt ttcattgtcc
taaatcaccc tgactctgac cagtctttca gttctccaaa agcccaattt aattgtatag
                                                                     3720
ttttgtcatg gcttcatata ataaagagcc tattttaagt tgaaagtagt agtcagaaaa
                                                                     3780
ttgttaattt cctaaagctc aggaaactag ggtgtcactt tttttgcact gcaqcatata
                                                                     3840
cactaactag cttattaaaa tttacaaaat gtctttttga atgtatcaag gatatattta
                                                                     3900
gtttgagtgg aatttgtcag cagatatcag taacttattg ccgcttatat tgtacaatgt
                                                                     3960
taaacttcaa ttcctgtaac ctggttagta ttaatgtcag tgactaaaaa acttagagtt
                                                                     4020
agttttaggg cactttttat tttgagagca tgaagtgtgg aatgtgtcac tacqattqtt
                                                                     4080
gataaagctg aggccacttg caacttgatt ttttaaatga aataqataaa gtctttttga
                                                                     4140
ataatatagt atgcactgct atttgcttga ttatgtaatg tcaaaagttt aactatattc
                                                                     4200
caagtacaaa aacatactgg attacattga ggatgttgaa tagcattcat gatggctttg
                                                                     4260
ttttggtttg gggcagctgt caccagctaa agcaatgttg ttaaaattag ctcaataaaa
                                                                     4320
atgtctttaa aatgcaaaaa aaaaa
                                                                     4345
```

```
<210> 7253
<211> 1196
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (159)...(752)
<223> similar to gi673423 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7253
tacaaggggc tgtgctgaga ggcgctgctg ggcgtctggg cggaggactc ctggttctgg
                                                                       60
gtgctgggag agcgatgggg ctctcagcgg tgggaaggac ccgagctgag tctgggacaq
                                                                      120
cagageggge ageaceggtt tttgtcctgg geetecagge tgtgageaca gatacgeagt
                                                                      180
attttggccc aggcacccgg ctgacagtgc tcgaggacct gaaaaacgtg ttcccacccg
                                                                      240
aggicgcigt gittgagcca tcagaagcag agaictccca cacccaaaaq qccacactqq
                                                                      300
tatgcctggc cacaggcttc taccccgacc acgtggagct gagctggtgg gtgaatggga
                                                                      360
aggaggtgca cagtggggtc agcacagacc cgcagcccct caaggagcag cccgcctca
                                                                      420
atgactccag atactgcctg agcagccgcc tgagggtctc ggccaccttc tggcagaacc
                                                                      480
cccgcaacca cttccgctgt caagtccagt tctacgggct ctcggagaat gacgagtgga
                                                                      540
cccaggatag ggccaaacct gtcacccaga tcgtcagcgc cgaggcctgg ggtagagcag
                                                                      600
actgtggctt cacctccgag tcttaccagc aaggggtcct gtctgccacc atcctctatg
                                                                      660
agatettget agggaaggee acettgtatg cegtgetggt cagtgeeete gtgetgatgg
                                                                      720
ccatggtcaa gagaaaggat tccagaggct agctccaaaa ccatcccagg tcattcttca
                                                                      780
tecteaceca ggattetect gtacetgete ceaatetgtg ttectaaaag tgatteteac
                                                                      840
totgettete atetectact tacatgaata ettetetett ttttetqttt ceetqaaqat
                                                                      900
tgagctccca acccccaagt acgaaatagg ctaaaccaat aaaaaattgt gtgttgggcc
                                                                      960
tggttgcatt tcaggagtgt ctgtggagtt ctgctcatca ctgacctatc ttctgattta
                                                                     1020
```

```
gggaaagcag cattcccttg gacatctgaa gtgacagccc tctttctctc cacccaatgc 1080 tgctttctcc tgttcatcct gatggaagtc ctcaaacacc atttccatac ccaggcattc 1140 tgggtcccca ctggagggtt agtctgaagg gcaatggctg ggctttggaa aaccag 1196
```

```
<210> 7254
<211> 4888
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (39)...(1852)
<223> similar to gi3327094 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7254 tttcgtgctg tggctgcgga ggttgagggg cgtccgaggc gcggaggggc tggctgggca 60 ggaggggttg geggggeage agggeegegg ceatggggag ettgaaggag gagetgetea 120 aagccatctg gcacgccttc accgcactcg accaggacca cagcggcaag gtctccaagt 180 eccageteaa ggteetttee cataacetgt geacggtget gaaggtteet catgacecag 240 ttgcccttga agagcacttc agggatgatg atgagggtcc agtgtccaac cagggctaca 300 tgccttattt aaacaggttc attttggaaa aggtccaaga caactttgac aagattgaat 360 tcaataggat gtgttggacc ctctgtgtca aaaaaaacct cacaaagaat cccctgctca 420 ttacagaaga agatgcattt aaaatatggg ttattttcaa ctttttatct gaggacaagt 480 atccattaat tattgtgtca gaagagattg aatacctgct taagaagctt acagaagcta 540 tgggaggagg ttggcagcaa gaacaatttg aacattataa aatcaacttt gatgacagta 600 aaaatggcct ttctgcatgg gaacttattg agcttattgg aaatggacag tttagcaaag 660 gcatggaccg gcagactgtg tctatggcaa ttaatgaagt ctttaatgaa cttatattag 720 atgtgttaaa gcagggttac atgatgaaaa agggccacag acggaaaaac tggactgaaa 780 gatggtttgt actaaaaccc aacataattt cttactatgt gagtgaggat ctgaaggata 840 agaaaggaga cattctcttg gatgaaaatt gctgtgtaga gtccttgcct gacaaagatg 900 gaaagaaatg cctttttctc gtaaaatgtt ttgataagac ttttgaaatc agtgcttcag 960 ataagaagaa gaaacaggag tggattcaag ccattcattc tactattcat ctgttgaagc 1020 tgggcagccc tccaccacac aaagaagccc gccagcgtcg gaaagaactc cggaagaagc 1080 agctggctga acaagaggaa ctggagcgac aaatgaagga actccaggcc gccaatgaaa 1140 gcaagcagca ggagctggag gccgtgcgga agaaactgga ggaagcagca tctcgtgcag 1200 cagaagagga aaagaaacgc cttcagactc aagtggaact tcaggccagg ttcagcacag 1260 agctggaaag agagaagctt atcagacagc agatggaaga acaggttgct caaaagtcct 1320 ctgaactgga acagtattta cagcgagtac gggagctgga agacatgtac ctaaagctgc 1380 aggaggetet tgaagatgag agacaggeee ggeaagatga agagacagtg eggaagette 1440 aggccaggtt gttggaggaa gagtcttcca agagggctga actagaaaag tggcacttgg 1500 agcagcagca ggccattcag acaaccgagg cggagaagca ggagttggag aatcagcgtg 1560 tcctgaagga acaggccctg caggaggcca tggagcagct ggaggagctt gagttagaac 1620 ggaagcaagc acttgagcag tacgaggaag ttaaaaagaa gctggagatg gcaactaata 1680 agaccaagag ctggaaggac aaagtggccc atcatgaagg attaattcga ctgatagaac 1740 caggitcaaa gaaccctcac cigatcacta aciggggacc igcagcittc acigaggcag 1800 aacttgaaga gagagagaag aactggaaag agaaaaagac cacggagtga ctgagcttgc 1860 tggcagtcac gtcagttatg tagatactgc atggcaggag agctttacgc taaagacaaa 1920 agaaacagct ttgggggccg ggcgtggtgg ctcacgcctg taatcccagc actttgggag 1980 gccgaggcgg gtggatcacc tgaggtcagg agttcaagac cagcctggcc aacctggtga 2040

```
2100
aaccetgtet etaetaaaaa tacaaaaaaa attagetgag egtggtggeg ggegeetgta
atcccaqcta cttgggaggc tgaggcagga gaatcacttg aacgtgggag gcggaggttg
                                                                     2160
cagcgagctg agatcatgcc gttgtactcc agcttgggca acagagtgag actccatctc
                                                                     2220
aaaacaaaac aaaacaaaac aaaaaaaccc ggctttgctg cttttaactc ttcttccttc
                                                                     2280
tgtgcctctc taagtgggtc agtatcctaa ggaagccttc ttatttatct tcctgcaaac
                                                                     2340
aagggttacc tgaaaagaaa aaaaaagtca acattgtcaa gctgtttgtt tactctttct
                                                                     2400
ttgaaaacat caccttctga aatttgtctt ttagctctct cagattcttc cccaaatgag
                                                                     2460
gcagggtgca gacagcacag tcagctctgc agagtttgga ggggctcact gccactgggt
                                                                     2520
actcagaacc totgtggact ggatgtcagc totttcottt ggcagcgtgt ttccttttcc
                                                                     2580
gagtatgtgc tgttaaacta gattggccgg ttcgctttcc atttcctqac acttqacatq
                                                                     2640
gaatgcettt gaccattggt getetgacag agaagtcatg gaqtcattgc catttectqq
                                                                     2700
ttgccctttt ggaatgtgat cctgttagta gaggttttct agcttctact aagatatttc
                                                                     2760
tttccctaac catcatacac ttggcatgtt tcattcccat ctcctttccc ctcaccttaa
                                                                     2820
aggagactac ccctttgccc catattgtca acctaatttt ctctcgtact ctctctaqtq
                                                                     2880
aatgatgtgc taccaagtat atgccaggct gtgagaggat tatactgagt agtagaaaga
                                                                     2940
agctaatttg aaataaaaat tatttgtata attaagaaag cagattagat gcacatggtc
                                                                     3000
aacaggaagt tgactgtatg tctgctagtt agattcaaaa catcataaag atgatagcat
                                                                     3060
gtcaatatat tagcctagcc attatgttag cctttgttag gtgggcagct tttctgcttt
                                                                     3120
ttcccttcct ctgtggtgac aacggaggaa atatccaaca gaaatacgtc taacagggaa
                                                                     3180
attgggatca tagtttatat gcatctgatt tgaaaggagt attgaggaag gttttcatat
                                                                     3240
atgatetate tttggattaa aaagaacatt tatgaaatea ageettetaa caetagttat
                                                                     3300
aattgagaag caacagtaac tccgtggaca gcaatcaagc ttaaaattgt aaataaatat
                                                                     3360
ggggataatt cagttgttgc aaaaaaaggg cagaattcag tagaataaag tccttttctc
                                                                     3420
ttacaggtat taaatgagga cagagaacct caggtgttct tatgctagtg cttgctgagt
                                                                     3480
gcatactaag aaagcaattc caaatagatg tatacatcta gagagagtgg tattagagat
                                                                     3540
tcagtgtatg tatttattta catgagagga aactggaata taatcccata aattattgga
                                                                     3600
atataatccc ataaattatc accttttatg actggaaaat atttgccaat gaagaaatgg
                                                                     3660
tetgtaggta tttgtettaa gatttttgge tgtttaataa aaatgtaaet ttaaeggttt
                                                                     3720
cttatagttg cctttataaa gtgtattgtc taaaatattt ttgtatcatg tgcctttgaa
                                                                     3780
atttgacage tgatttgggt gttggattte tgeccageca tttateagta ttateatttt
                                                                     3840
attcagtagc tggcaggtgt attagacaaa cgagacttag gtaaggaatg gaacctttcc
                                                                     3900
tgtggtttga ctgcacatca caccagaaga ctccagtatc cctcattcca gaatgaggaa
                                                                     3960
aaagtattct acaaagaacc taatcacctc tgtgaaatct atgggatgga aacagtgtgg
                                                                     4020
cettaggagt caaatagtet etgeatggtg gggaggatea tgatggaata tgtgaattte
                                                                     4080
tacttctaga agttgtgaaa taggtcctgc acttttgcag aatgtccttc tttaaacctg
                                                                     4140
gettatteca cagetgtage tgataacatg acetgggget tagetgetet ageeetgggt
                                                                     4200
tettggagae etcacaetge etggeecetg gecatecace taaggaetge etgetttetg
                                                                     4260
gtcacatgtg gaccttgata cgactaagcg gttacatatg tggttgtgca aaagctttct
                                                                     4320
gtttaatgca tagtgttacc gatttacatc ttggttttca gtggcactat gtctaggagg
                                                                     4380
caatateett ttaaacagtg etttggetaa gatagataet tgtgaateaa agatageaca
                                                                     4440
gaaatgaact aagtatatcc catttggaat tatattttga tactatttaa aatggtttca
                                                                     4500
cctgttaaag ggccaacaga actcttggtt ttacttttgt aattactgta cagaaaattt
                                                                     4560
caagagtgtt tgagtgcttg tcatcaggtg ttttccttaa taagtaggga tatgatcatt
                                                                     4620
tacaggaatt atatatgaaa aaagtttttg aaatgtattt ttgtgatgtg ctatgttgag
                                                                     4680
gggaaaccaa atatttatga ttttaaaaca ttcgtatgaa aacattgtac aatgtaatat
                                                                     4740
gctcaacttt ctcaattttt tgctaatttt tctaagatac attaaaaatg ttttatattt
                                                                     4800
ttttttaagt aaaatggacc cagtaagaaa attaaaaata ccagaacata cactttaaac
                                                                     4860
tgtctgattt aataaaacag tggggggt
                                                                     4888
```

<210> 7255

<211> 1497

<212> DNA

<213> Homo sapiens

```
<220>
<221> misc_feature
<222> (528)...(1224)
<223> similar to gi2624972 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 7255
ctcagtcttt ggtggaacca tcactaggcc ccaatccctt agtccctctt gcgtcgaggc
                                                                      60
tgcaaaatgg ttccattcgc caggagacgc tcctgagaga agggcgcgcg cggcacaggg
                                                                      120
geetteettg caccteggag caaagcaget eggatagege cacaegtetg egeeetgegt
                                                                      180
gggaagggca gggctgacag cacttcctcc ccggggcaga gacctggagc ccgggtgcgg
                                                                      240
cagtetgeae egegegtege ttteeeggee ggagtetege egeetteeeg egeeeegeag
                                                                      300
cgccccgcag agcagtcgag atgggtgagt caagtgaaga catagaccaa atgttcaqca
                                                                      360
ctttgctggg agagatggat cttctgactc agagtttagg agttgacact ctccctcctc
                                                                      420
ctgaccctaa tccacccaga gctgaattta actacagtgt ggggtttaaa qatttaaatg
                                                                      480
agtccttaaa tgcactggaa gaccaagatt tagatgctct catggcagat ctggtagcag
                                                                      540
acataagtga ggctgagcag aggacaatcc aggcacagaa agagtccttg cagaatcaac
                                                                      600
atcattcagc atctctacaa gcatcaattt tcagtggtgc agcctctctt ggttatggaa
                                                                      660
caaatgttgc tgccactggt atcagccaat atgaggatga cttaccacct ccaccagccg
                                                                      720
atcctgtgtt agaccttcca ctgccaccac cacctcctga acctctctct caggaagagg
                                                                      780
aagaagccca agccaagget gataaaatta agctggcgct ggaaaaactg aaggaggcca
                                                                      840
aggttaagaa gctcgtcgtc aaggtgcaca tgaatgataa cagcacaaag tcactgatgg
                                                                     900
tggatgageg geagetggee egagatgtte tggaeaacet tttegagaaa acteattgtg
                                                                     960
actgcaatgt agactggtgt ctttatgaaa tctacccgga actacaaatt gagaggtttt
                                                                     1020
ttgaagacca tgaaaatgtt gttgaagtct tatcagactg gacaagagac acagaaaata
                                                                    1080
aaatactatt tttggagaaa gaggagaaat atgctgtatt taaaaacccc cagaatttct
                                                                    1140
acttggataa cagaggaaaa aaagaaagca aggaaactaa tgagaaaatg aatgctaaga
                                                                    1200
acaaggaatc cttacttgag gtaaggttaa ttttgcagag tggaagaaaa gagaaggacg
                                                                    1260
tttgctctat ttttaagtca tttgcttccg agaacaatgg aaaaatctaa agacatacac
                                                                    1320
tgaaatttta agttggggtg ttaaaatcaa attatttcta aattatagct atttagataa
                                                                    1380
ttcaactgtt tttcttttt gagtcatttg ttacaacatg tggctttaga taaatgaagc
                                                                    1440
tggatttgta attcttgact tttaaaaaac tctagcattc caagtttcca ttactta
                                                                    1497
```

```
<210> 7256
<211> 1970
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1706)...(1503)
<223> similar to gil710216 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7256
cgacctcccg agtagctggg attgcgggca cttgccacca tgcctgacca atttttgtat
```

```
120
ttttagttga gacgggattt tgccatgttg gctaggctgg tctcgaactc ctgacctcag
gtgatccgcc cacctcagcc tcccaaagtg ctgggattac aggcatgagc cactgtgcct
                                                                    180
ggccgtggac cttctttca aagaattatg gaggcttatt ttagttcccc taacttggaa
                                                                    240
                                                                    300
atctcctgag gaagaaaggt gactacaggc atttgtcaaa aatttgtaaa ggcaagttta
ttagcctctg ccatcggggg caaagaataa tagctaaggc aaacaataga cacaccaaaa
                                                                    360
agcctgggag gaaaagctgg aaagtaagat attttggaga ataaaggctt ttaaaacttc
                                                                    420
cacatattct tgggaatcca aaaggccaca tgtacatgca gggtgagcaa atagagaaga
                                                                    480
cttgagaaag ccttaaactc tcacctctgg ctaaccatca ggcttgctca aataggaagt
                                                                    540
                                                                    600
gaaaactaag gtgaatttgt tgcttagctg aatgttgaag gtgtgcccca acacttacac
agagectaet ggtaaagaca gagtgtttte tttttgtett ggttteagge atttaaggaa
                                                                    660
atctgtttct cttttggatc actagctgca aattaagcta acagaacagg agctcagctg
                                                                    720
                                                                    780
gtcacacaca gcaacgaata cagactttat aaagttcaga aaagttacca aacagtggta
accataacaa gtaccaacaa tgaactatgg ggagggagga gaatctgatt tccagagtta
                                                                    840
ccacattata atactattca aaatgtcaca tttttagcaa agattacatg acaaggaaaa
                                                                    900
accagaaaag tatggcccat acacaggtaa aaaaagaaat taatagaaac tacccctgaa
                                                                    960
gaagcacaga cttcggatgt acaaaacaaa gacttttcat caactctttt agatatgcta
                                                                   1020
gaagagctaa aggaaaccat ggacagagaa caaaaaaatt aggaaagcaa tgtctcatcc
                                                                   1080
aatacagaat atcaataaag agattgaaat tgtagaaaag aaccaaatag aaattctgga
                                                                   1140
gttgaaaagt attataacta aaactgaaaa ttcactagag gtattcagca gcagactgga
                                                                   1200
gaagtcagaa gaaagaatca acaggcttca agataggtca attaagatta tacagtctga
                                                                   1260
ggagcagaaa ggaaaaagaa tgaagaaaaa tgaacagagc ataaaagacc tctgggactc
                                                                   1320
tatcaagcat accagtatat gcatgagggg agtcccagaa ggagaagaaa gagagaaagg
                                                                   1380
gacataatat ttgaagaaat aatggtagaa aatgtcccag ctttgatgaa atacatgaat
                                                                   1440
ctagatattc aagaggctca aagaacccta aatagggtaa actcaaaaag acccacaccg
                                                                   1500
gaatgcaaaa gtgagctggg tgtggtggca cgtgcctgtg gtcccagcta ctcgagaggc
                                                                   1560
taaggcagga aaatcgcttg aacccaggag gcagagattg cggtgagccg ggattgcgcc
                                                                   1620
1680
cetttggetg cagcetttca aagggaaagg gggaaagaat aatattacet gatttcaaaa
                                                                   1,740
gggacttgaa aatgggaatc atttttttgg ctgaaaaaat cttaactctt tgaaattact
                                                                   1800
ttttgtggct gtggccatac tctaaggggc caaactgcgg aaaatttttt atcagggaag
                                                                   1860
gggaaccatg tgttttgttg tttgggaaat ttttatcaag aatcttcaaa aaaaataatt
                                                                   1920
tcctgcttta tcttcaaaaa ctggaaggga agggtcaaag aaaagacagt
                                                                   1970
```

```
<210> 7257
<211> 1266
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (352)...(1024)
<223> similar to gi396170 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7257
agcttggctc tgccttctgc agtgtgagta acacactgaa gccagaagct gtgggctgtg 60
gggaagtggc tgcatcgca cccaagggac cctggacttt gccagacgtc agggttgaga 120
ggagccacta gcaccatccc agagctgtca gcaccggcct cagcccaggc ggctctctcc
ctgagcttcc tgtaccctga ccctctccag cctcagacct gagacagggc tggacaagga 240
agcagagagc agaagaaaag cagaagcgaa gctcagatct gctgggagga gactacattt 300
```

```
tgtcccctcc tggggtcttg cacagtggca ggtgacattc gtgttacagg aatgactgcc
                                                                      360
agggcctggg cctcgtggcg gtcttcagct ctgctcctcc tgcttgtccc aggctatttt
                                                                      420
cetetgagee acceeatgae egtggeggge ceegtggggg gatecetgag tgtgeagtgt
                                                                      480
cgctatgaga aggaacacag gaccctcaac aaattctggt gcagaccacc acagattctc
                                                                      540
cgatgtgaca agattgtgga gaccaaaggg tcagcaggga aaaggaatgg ccgagtgtcc
                                                                      600
atcagggaca gtcctgcaaa cctcagcttc acagtgaccc tggagaatct cacagaggag
                                                                      660
gacgcaggca cctactggtg tggggtggat acaccgtggc tccgagactt tcatgatccc
                                                                      720
attgtegagg ttgaggtgte egtgtteeeg geegggaega ceaeageete cageeeeeag
                                                                      780
agetecatgg geaceteagg tecteceacg aagetgeeeg tgeacacetg geeeagegtg
                                                                      840
accagaaagg acagccccga acccagccca caccctggct ccctgttcag caatgtccgc
                                                                      900
tteetgetee tggteetett ggagetgeee etgeteetga geatgetggg tgeegteete
                                                                      960
tgggtgaaca gacctcagag aagctctata agcaggcaga attggcccaa gggtgagaac
                                                                     1020
cagtagcatc tgctgtccat caaggccctg tgcttgcaac agagcccttt tggggaactt
                                                                     1080
ggaatgacct cctgaccatc aaggcctgca acagagcccc tctgggggac tggaatgacc
                                                                     1140
tectgaceae tecetecegg getgetetet ceaacatete etggaateet ttgtgageet
                                                                     1200
cettcageet ttteeetgtg eeegateeaa catgtgacae atgaggaett tagagcacaa
                                                                     1260
tggatc
                                                                     1266
```

```
<210> 7258
<211> 1761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)...(1359)
<223> similar to gi29391 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7258 ctgagtggtt gttagccaag atggcggtag cgatcgctgc agcgagggtc tggcggctaa 60 accgtggttt gagccaggct gccctcctgc tgctgcggca gcctggggct cggggactgg 120 ctagatetea ecceeccagg cageageage agtttteate tetggatgae aageeccagt 180 tcccaggggc ctcggcggag tttatagata agttggaatt catccagccc aacgtcatct 240 ctggaatccc catctaccgc gtcatggacc ggcaaggcca gatcatcaac cccagcgagg 300 acccccacct gccgaaggag aaggtgctga agctctacaa gagcatgaca ctgcttaaca 360 ccatggaccg catectetat gagteteage ggeagggeeg gateteette tacatgacca 420 actatggtga ggagggcacg cacgtgggga gtgccgccgc cctggacaac acggacctgg 480 tgtttggcca gtaccgggag gcaggtgtgc tgatgtatcg ggactacccc ctggaactat 540 tcatggccca gtgctatggc aacatcagtg acttgggcaa ggggcgccag atgcctgtcc 600 actacggctg caaggaacgc cacttcgtca ctatctcctc tccactggcc acgcagatcc 660 ctcaggcggt gggggcggcg tacgcagcca agcgggccaa tgccaacagg gtcgtcatct 720 gttacttcgg cgaggggca gccagtgagg gggacgccca tgccggcttc aacttcgctg 780 ccacacttga gtgccccatc atcttcttct gccggaacaa tggctacgcc atctccacgc 840 ccacctctga gcagtatcgc ggcgatggca ttgcagcacg aggccccggg tatggcatca 900 tgtcaatccg cgtggatggt aatgatgtgt ttgccgtata caacgccaca aaggaggccc 960 gacggcgggc tgtggcagag aaccagccct ttctcatcga ggccatgacc tacaggatcg 1020 ggcaccacag caccagtgac gacagttcag cgtaccgctc ggtggatgag gtcaattact 1080 gggataaaca ggaccacccc atctcccggc tgcggcacta tctgctgagc caaggctggt 1140 gggatgagga gcaggagaag gcctggagga agcagtcccg caggaaggtg atggaggcct 1200

```
1260
ttgagcaggc cgagcggaag cccaaaccca accccaacct actcttctca gacgtgtatc
aggagatgee egeccagete egeaageage aggagtetet ggeeegeeae etgeagaeet
                                                                     1320
acggggagca ctacccactg gatcacttcg ataagtgaga cctgctcagc ccaccccac
                                                                     1380
ccatcctcag ctaccccgag aggtagcccc actctaaggg gagcaggggg acctgacagc
                                                                     1440
                                                                     1500
acaccactgt cttccccagt cagctccctc taaaatactc agcggccagg gcggctgcca
ctcttcaccc ctgctcctcc cggctgttac attgtcaggg gacagcatct gcagcagttg
                                                                     1560
                                                                     1620
ctgaggetee gteageeece tetteacetg ttgttacagt geetteteee aggggetggg
                                                                     1680
tgagggcaca ttcaggacta gaagcccctc tgggcatggg gtggacatgg caggtcagcc
tgtggaactt gcgcaggtgc gagtggccag cagaggtcac gaataaactg catctctgcg
                                                                     1740
                                                                     1761
cctggctctc taaaaaaaaa a
```

```
<210> 7259
<211> 5716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (331)...(4331)
<223> similar to gi3043626 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7259 agegeteaaa eeacaegeae egetgetegg ggettggaga tttgegeagg etgggeteee 60 ggacceggeg gaccgacgeg eggaggateg ggatceggeg etgtgggget ggggtgggeg 120 ggggaggetg ecceeggtge etttggegeg acaeeegeat gaggaegega gtgaaatata 180 ccaaggtgga atttccaagg gaaaagcttc ggggtggttt tggtccattt ctccagcgaa 240 gaagttgaca tggcgagcga ctccccggct cgaagcctgg atgaaataga tctctcggct 300 ctgagggacc ccgcagggat ctttgaattg gtggaacttg ttggaaatgg aacatacggg 360 caagtttata agggtcgtca tgtcaaaacg ggccagcttg cagccatcaa ggttatggat 420 gtcacagggg atgaagagga agaaatcaaa caagaaatta acatgttgaa gaaatattct 480 catcacegga atattgctac atactatggt gcttttatca aaaagaaccc accaggcatg 540 gatgaccaac tttggttggt gatggagttt tgtggtgctg gctctgtcac cgacctgatc 600 aagaacacaa aaggttacac gttgaaagag gagtggattg catacatctg cagggaaatc 660 ttacgggggc tgagtcacct gcaccagcat aaagtgattc atcgagatat taaagggcaa 720 aatgtcttgc tgactgaaaa tgcagaagtt aaactagtgg actttggagt cagtgctcag 780 cttgatcgaa cagtgggcag gaggaatact ttcattggaa ctccctactg gatggcacca 840 gaagttattg cctgtgatga aaacccagat gccacatatg atttcaagag tgacttgtgg 900 tetttgggta teacegeeat tgaaatggea gaaggtgete eecetetetg tgacatgeae 960 cccatgagag ctctcttcct catccccgg aatccagcgc ctcggctgaa gtctaagaag 1020 tggtcaaaaa aattccagtc atttattgag agctgcttgg taaagaatca cagccagcga 1080 ccagcaacag aacaattgat gaagcatcca tttatacgag accaacctaa tgagcgacag 1140 gtccgcattc aactcaagga ccatattgat agaacaaaga agaagcgagg agaaaaagat 1200 gagacagagt atgagtacag tggaagtgag gaagaagagg aggagaatga ctcaggagag 1260 cccagctcca tcctgaatct gccaggggag tcgacgctgc ggagggactt tctgaggctg 1320 cagctggcca acaaggagcg ttctgaggcc ctacggaggc agcagctgga gcagcagcag 1380 cgggagaatg aggagcacaa gcggcagctg ctggccgagc gtcagaagcg catcgaggag 1440 cagaaagagc agaggcggcg gctggaggag caacaaaggc gagagaagga gctgcggaag 1500 cagcaggaga gggagcagcg ccggcactat gaggagcaga tgcgccggga ggaggagagg 1560 aggcgtgcgg agcatgaaca ggaatacatc aggcgacagt tagaggagga gcagagacag 1620

```
ttagagatet tgeageagea getaetgeat gaacaagete taettetgga atataagege
                                                                     1680
aaacaattgg aagaacagag acaagcagaa agactgcaga ggcagctaaa gcaagaaaga
                                                                     1740
gactacttag tttcccttca gcatcagcgg caggagcaga ggcctgtgga gaagaagcca
                                                                     1800
ctgtaccatt acaaagaagg aatgagtcct agtgagaagc cagcatgggc caaggaggta
                                                                     1860
gaagaacggt caaggctcaa ccggcaaagt tcccctgcca tgcctcacaa ggttgccaac
                                                                     1920
aggatatetg accecaacet geceecaagg teggagteet teageattag tggagtteag
                                                                     1980
cctgctcgaa cacccccat gctcagacca gtcgatcccc agatcccaca tctggtagct
                                                                     2040
                                                                     2100
gtaaaatccc agggacctgc cttgaccgcc tcccagtcag tgcacgagca gcccacaaag
ggcctctctg ggtttcagga ggctctgaac gtgacctccc accgcgtgga gatgccacgc
                                                                     2160
cagaactcag atcccacctc ggaaaatcct cctctcccca ctcgcattga aaagtttgac
                                                                     2220
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cgaagctctt ggttacgaca ggaagaagac attccaccaa aggtgcctca aagaacaact
tetatatece cagcattage cagaaagaat teteetggga atggtagtge tetgggaece
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agactaggat ctcaacccat cagagcaagc aaccctgatc tccggagaac tgagcccatc
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ttggagagcc ccttgcagag gaccagcagt ggcagttcct ccagctccag cacccctagc
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teccageeca geteccaagg aggeteccag cetggateae aageaggate cagtgaaege
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accagagtte gageeaacag taagteagaa ggateaectg tgeteeeca tgageetgee
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aaggtgaaac cagaagaatc cagggacatt acccggccca gtcgaccagc tagctacaaa
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gaaacaaacc gcccaatgaa gaaggtgact gattactcct cctccagtga ggagtcagaa
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gaccccagag tataccagac gtctcccact gatgaagatg aagaggatga ggaatcatca
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gccgcagctc tgtttactag cgaacttctt aggcaagaac aggccaaact caatgaagca
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agaaagattt cggtggtaaa tgtaaaccca accaacattc ggcctcatag cgacacca
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gaaatcagaa aatacaagaa acgattcaac tcagaaatac tttgtgcagc tctgtggggt
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gtaaaccttc tggtggggac tgaaaatggc ctgatgcttt tggaccgaag tgggcaaggc
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aaagtctata atctgatcaa ccggaggcga tttcagcaga tggatgtgct agagggactg
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aatgtccttg tgacaatttc aggaaagaag aataagctac gagtttacta tctttcatgg
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caatggggag aaatgcccac gtctgtggcc tacattcatt ccaatcagat aatgggctgg
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                                                                     4200
cataagcgag ctcaaaggtt aaagtttcta tgtgaaagaa atgataaggt attttttgca
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tccgtgcgat ctggaggaag tagccaagtg tttttcatga ccctcaacag aaattccatg
                                                                     4320
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agaacataac tcatgtggac ttatgccagt ctagaggcag aatcagaagg cttggttgaa
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catategett tecettttte etetecetee geeceteeca gtacagteca tettteaatg
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                                                                     4560
aatgctgcct tgtctgtgga caaagatgga ccatgtgccc ttcggaatta gggatagaaa
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caaatattgt gtgctcttaa cgattaagct gtgttatggg gggttttcag gtttttacct
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tttttcttta cccctttact ctgcaagaat ggggaaagaa tgcatactgc gaaaatgagt
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cttttaaatt ctgtctgcct actagtttta agtatatggt atgttgtaaa atttccaatg
                                                                     4800
atgagagaca gcacaataaa tgtaccttat ctccttaggc tgaaggccat aactacatag
                                                                     4860
tggagtaatt taagaactct cttgccttca ccaacccaaa aggttgcttt ttgatagcaa
                                                                     4920
ctggctaatg aatttttaaa aagagaagaa aaatactagt tttcccctct tttgggaaat
                                                                     4980
agattttaaa tggctaaact actagcctta aaactactag tctaataaaa tcaactacca
                                                                     5040
```

```
5100
cttttgtgaa tctgacaggc cacattttta tatggccctt tacagaatgg agtgtgttga
                                                                     5160
acaggatact aacgccattg agttgagctg gcctagcgat ggagggacac tctaacacaa
ctttccctca gctattatgc aacagatcag ggaaaaagat gggatgacag atggggtcag
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acagaaagag cttctgggaa acaagcttac atagtctttt ttaaaatgca caaagcctcc
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cagetaagag gteacttggt ttgggettea ttaggaetga gaetttgttg agttetttet
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gggacttgga gagtggatga tattcagget etgaacatte ceagegetet eeegagggtg
                                                                     5400
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                                                                     5460
cctgtgttct cccctgtgtg ggtgagagaa gggactagac tccctaaagc ctgcctcaga
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                                                                     5640
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                                                                     5700
aaatgatttg aacttt
                                                                     5716
```

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<210> 7260
<211> 1550
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1222)...(614)
<223> similar to gi2143254 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7260 ttttttttt ttataaatat tgattttata gaaaggacca attcaaaatt ggtcagatgc 60 cacacgctag aaagcttcca gaaccacgat ggaaagaaaa aaaagaaaac aaaaaacaga 120 gagaacaaac aaaaataccc cagaccaaaa tgcctgaaaa atcaaggtcc tggttgacca 180 aaggattett aaagaaaaca tgtggetggg gtgaggagae cecaatgeet gaacgagaee 240 ccagagtgga aggaaaaaca acccagaaat gcaaatccga agtccctgcc cacggggccc 300 ccccacgctg tcaaaagcga ggcaaagggc ttcacagctt tatagggggt ggggttgatg 360 gcagtagctt aaataataac gggaggaagg agggttttta tacttcagct ttttttttgt 420 ctgcccccct cttcctctac gcggaagagg agagactggt agcttgaggt taaggagaaa 480 acagtatttc ccccccactt ctttaatagg caaaccatct agaaatggac tgtcataaaa 540 aaatgccaga tcccacctgt gacctgacag cccccaattc ctagagaggt gagagctgtc 600 gtgtggcagg ttaggagagg tgccaacctt gggcgatgcg gcttcttggg aaataacagc 660 tccagcgaga aagaattggg gtgagggaga ggatgggggc cagaatgggg ggacccttaa 720 gtggtaccaa aattagctgc cgtttggtcc ctgctggtgg gtccctgggg tggaaagcat 780 840 acaccettet cagagggtee acggeeetgg ttetgaagag tagaaaatea acaggateaa 900 gcagagggct ttcctgggtc acccctgctg aaccccagct cagttccggt gagggatcaa 960 tgctgcctgg agtaggggaa tgggcaggcg gcccagtccg gaccctcggc tcccggggga 1020 1080 teeeggeegg eeeggeeeee geetggeeea ttgeagggea geaceeagtt gttategtgg 1140 aggcccaggc ggcagccggg agtctcgcgg tcggctcgac ggcagcacat ccagtaggaa 1200 egteegtaag geaggteatg gtggtaggge ttggggtgee ageggeagag egacaegteg 1260 ecettetegt atetettgeg geactgtttg caeggateat egeggtagag egggtetegg 1320 ctccagcgcg agtctgtggc ccgcacgcca aacgcctcga tgatgccctt gaagtggtgg 1380 caggtgcact tgagggcggc cagcgcgcgc gtgggcagga agctgaagat cttgaccagc 1440 acgtgctcgg gcagcagcag catgtactgt cgcggctcca gcagccgctg aatcttgaag 1500

```
<210> 7261
<211> 6742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (220)...(1877)
<223> similar to gi5689383 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7261 cgcgcgccaa tgatgactaa ggctgtgccg gaggaacccc gaaagccagg aaggctgacc 60 caggeeetga acteaecect caeetgggag catgtttgga ttttgegteee eggeggeaet 120 cetgaetgte tgacagacae etteagagtg aagaggeeae ateteaggeg etetgeeage 180 aacggtcatg tccctgggac tcctgtctac agagaaaaag aagatatgta tgacgagatt 240 attgagttaa agaagtcatt gcacgtgcag aagagcgacg tggacctgat gagaacgaag 300 ctccggcgcc tggaggagga aaacagcagg aaggaccggc agatagagca gctcctggat 360 cccagccgcg gcacggattt tgttcggact ctggcagaga aaaggcccga tgccagttgg 420 gtcattaacg ggctgaagca gaggatcctg aagctggaac agcagtgcaa ggagaaggac 480 ggcaccatca gcaaactcca gaccgatatg aagactacca acctggaaga gatgcggatc 540 gccatggaga catactacga ggaggtgcat cgtctccaga ccctcttggc aagttctgaa 600 accaccggaa agaagcccct gggggagaag aagacgggcg ccaaaaggca gaagaagatg 660 ggcagtgccc tcctgagctt gtcccggagt gtccaggagc tcacggaaga gaaccagagc 720 ctgaaggagg acctggaccg cgtgctgagc acctccccaa ccatctccaa gacacagggt 780 tatgtggagt ggagcaagcc ccggctgctg aggcgcattg tggagctgga gaagaaacta 840 agtgtgatgg agageteaaa ateacaegee geagageeag teagateaea eeegeeagee 900 tgccttgcat ccagctctgc gctgcacaga cagccacgag gggaccgcaa caaggaccac 960 gagcgtctcc gaggggctgt gagagacctg aaggaagagc ggaccgcgct gcaggagcag 1020 ctgctgcaga gagatttgga ggtgaagcag ctcctgcagg cgaaggccga cctggagaag 1080 1140 gaggagattc agacacttac cagcaagctc caagaattgc aagaaatgaa gaaagaagag 1200 aaagaggatt gcccggaagt tcctcataag gcccaagagc tcccagctcc cactcccagc 1260 agcaggcact gcgagcaaga ctggccgccg gattccagcg aggaggggct cccgcggccc 1320 egeteceeet getetgatgg gagaagagae geegeggeea gagteetgea ggeeeagtgg 1380 aaggtgtaca agcacaagaa aaaaaaggct gttctggatg aggcggctgt ggtgcttcag 1440 gcagctttca ggggacatct cacgcggaca aagctcttag caagcaaagc acatggctca 1500 gagccaccca gcgtgccagg cctcccagac cagagctctc ctgtgccccg cgttccgagc 1560 cccatcgccc aggccacggg cagccctgtg caggaggagg ccatcgtcat catccagtcc 1620 gctctgcggg cacacctggc ccgggccagg cacagtgcta ccggtaaaag aaccaccacc 1680 gcagcttcta ccaggaggag atcggcttca gccacacag gggacgcctc ctccccaccc 1740 ttcctcgcag ctcttcctga cccctctccc tcagggccac aggccgtggc acctctacct 1800 ggggatgacg tcaactccga tgattccgac gatattgtca ttgcaccgtc tctgcccacg 1860 aagaactttc cagtttaggt ccccgtcact gtctccacgc tgtgatggca gcgctgccga 1920 ggacatagga accacgactg gaaagataat ttatcgtgtt aggagaagaa cgatgatacc 1980 tacttaacac ctcagcatct gcgtggtgtc tctttgtgct tttgtttgtg gaaggagacc 2040 caaatgeett taetttatte tetggggagg gecagegget egeateeee teateteeag 2100 ctgcagctcg gatggtggat tttcagtgcc aacagacaca tctgccgtga actcgcagat 2160

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gccagggage cetgtagtga cacgttetet gacageacet tgccgcetge ccacgacett
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                                                                    2280
gaccgtgagg agctgctata cgcaaccagc gccgacacca tgccccctct tcctggtgac
acceteaaca accaggattt getegatete ageecageag gecaggeaga cacacecege
                                                                    2340
tgtgccttag gaaggtgtga gaccggcttc ccccatcccc acagcaaaac acggcctgtc
                                                                    2400
                                                                    2460
ccaagccagt gaggagctaa agacacccag gtccccaaat gatcttactc catgcccac
cegeteacae egteetttee egteaceett getateeeet ggageactge eeteeagage
                                                                    2520
tgcccttccc aggaaggaat ttggttggat tctgtcactg tggagaccaa gattttttaa
                                                                    2580
aatteecaat tacaaaagca geateaeact tgettetgag aacageaggg tgatgtetgt
                                                                    2640
teccaagetg gtggegggag cettageetg tgtggggeea eeeggggaag aggaggagag
                                                                    2700
gagggtgagg aggcaggete geegttecaa gggacageat aggetegtgg tggggegtgt
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tgcatctggt gtctgggaca gtccccgtca ccccatgtgt gcggcctctg cactcccaag
                                                                    2820
ctccatggct gggctgggct gggctgggcc gggcgtgcgg agcctgtgga
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gccagcagct gcagaggcct aggagggagt tcctggggga agcgcacagt gtccagtgcc
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catctcttgc ttgtgtgtga gattagccct tgctggggcg tcaagaggaa gagccttaga
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cctgggcggg ccttcagggg catctagacc cctgcacagc ccaggcctgg tgtctgcatt
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tecacageae ecetgtgggg acteetgeeg gggetggeeg etgteteagg agagaeceaa
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tggttagaaa gccccttttt acacagctga cagcttctcc caaggcttcc qtccacqqqq
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acaggettaa eccetgggeg cettttetge ageatggegg cettetgagt cacetaaqet
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aaagggagag aggaggctct gcatgtccac ctgctctatg ggaggaggac acaggtgtcc
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ccagcccagc ctgttctctc ccagtcactc agggatgggg ccacccaaag tgcaggaccc
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ggttgccaag tccatttttt tttccactga actggctggt aacttgatgg actgtgtaac
                                                                    3600
tgacacagge cetetttaga eccetgeett caceccacee geeegggtee acteeetggg
                                                                    3660
gegetgtece aagecateee tgettgeeag etcaaagett caggteetag gagecagtee
                                                                    3720
acctcgaaag ccctgagaaa gtgagacacc tgcacattcg ctgggggaga ccctccgttc
                                                                    3780
tettgtggca getgeteeca ettgttaaac caagetgttt etgegggaeg tgeteaetet
                                                                    3840
tgggaaccag tggcctagag ctttgggtta caggcatgga gagggctttc ctgcctcagg
                                                                    3900
cttggaggcc aatgttccat acataaaccg ccatgtcctc tggtgcagct gggctgctct
                                                                    3960
tttaaaagcc agcatccatc ttgaagctcg ctgggtaaat ggcaatgcat tctcaagcca
                                                                    4020
gtgtcttcag ctgatgccca gtgtccagtg ctggtcacca gtcccctttg ctgggtacag
                                                                    4080
cctgcctggc tgttctgtgg tcctggaacg ctgcagtgtg gttttgttcc atggagacag
                                                                    4140
taccaagegg agaggeetee ttgeecaegg eeceagggee tgggggeeag gggttetgge
                                                                    4200
cctgcgggga cttaggcagg aggggaagag aagcccatgg agccatggga ggggtgagct
                                                                    4260
gtgggcgggg cctagtcatg ggaggggtga gctgtgggcg gggcgagctg tgggtggggc
                                                                    4320
4380
agggcctagc catgggaaag gtgagctgtg ggcggggcct agtcacggga gaggtgagct
                                                                    4440
gtgggcgggg cctagtcatg ggaggggtga gctgtggatg gggcctagcc atgggagggg
                                                                    4500
tgagctgtga gtggggctga gccatgggag cagcaagctg gtggagtggg ctgggcggag
                                                                    4560
ctgtgggggc tgctggcagg gcctaggaaa gtagacaact cccgggggag acgaagtaga
                                                                    4620
gagtgagtcc ccaagaaagg gactcctgcc ccagcgtcaa gtgccaaagc aggccccatc
                                                                    4680
taccacttca gggtcgacgt tggtggcagg tgttgttcac ggtgtactga ttgtcactgc
                                                                    4740
aacacctcca catcaccttg aacttcaaga acagcagcaa agctgtatct gctatcagag
                                                                    4800
gctgttaggt agtccagctt taaaataaca cactctttct ctatcccatg ccctttaaac
                                                                    4860
aagcagccac aggagatgtc agtctccagg gcctggcccc actgtgttga cagcagtcat
                                                                    4920
gtctgttgag ctgacactgc tgaggctgaa gctggccctg tgcaggtggc tggtgagcca
                                                                    4980
caggtgcagt acceggaggt gtgctctccc ctagaggcct gtccccaact cctcccctag
                                                                    5040
aggectatte eegetgetea cagaceteag cagaggeace agetggaggg etecagggae
                                                                    5100
atccttggaa atacaggagg ctttcctggc acagggcaca gctcttagga ggcctttgta
                                                                    5160
ggacgctgtc tccccagcgt gtcctgctca tccaggatgg ggagaaagag gaggaggccc
                                                                    5220
caggeteaga agecagggae agaetgeega egattaceaa aetgaateea ggeagtgeea
                                                                    5280
tgaccctggg tgtcccttgg ttcacatcac ccaccagaca gctgcggaga gagtgcaggg
                                                                    5340
aggggctggg accaaacagg ccagaaacca gcagaaaga ggcagaagtg aggtgggtgt
                                                                    5400
gcctggggca cgaagccagc gccgggggga tttcagtgga gccttacagc caggctccgt
                                                                    5460
gcggactgtg atgccagaga ggcgtgcagc ctctgggcaa gtcgggagag ggcttgggtg
                                                                    5520
gtccccacaa ggcagaagag gtggaagggc cagagaagac caccaagacc accgttcccg
                                                                    5580
```

```
caggectggg gtgagtgacc tgactgagac tagegggeag agecaageag ggetaaacte
                                                                     5640
caacccaggg cccggtgttg gacaaagtag ctttttcttt gctcgtttgt ctgtgtatta
                                                                    5700
agaagagact aaaatagcca aacgacgctg gtcgcatgcg ctggctgtgg tctgtctgct
                                                                    5760
gaatgtetat ttttgtetee tgaegagaeg tgaggaecat geeettgate eeteegatgg
                                                                    5820
accagaaacc cccttccttg caaaaaaaag gcaattgaat taggaaaaga tagaccaacc
                                                                    5880
tagctcagat ccaccaagat aagcacagca aagcttggct gcatttttga ggaataaaaa
                                                                    5940
cctgcagaaa gcaccgataa ccttcaagat ctgaatgaga ttctattata acccqtctaa
                                                                    6000
accgattgca aaattcctcc tttggttttg gaaaacaacg ttgcttctcc cgtggctcgg
                                                                    6060
attctctgag gaccagggag ttgacacaca aaccccgcca tgggtccgag ccagctattt
                                                                    6120
etcaaggete ecacetegee aageteecaa gggeetgetg geagtgeeta egetgtgeea
                                                                    6180
actaccetgt etggtacaga ecaeggetgg gtaagcaece ttaaaagcaa cagaaatgae
                                                                    6240
gtctggaagc tgaaatgtga aactgtcaag atggcttaag gagaggaagg agtggacccg
                                                                    6300
ctggtctttg gcattttgta tttagaatta ttctaacttt atacataatg tataggccga
                                                                    6360
tettttggaa gggataaggt tttcattett gtgcaactea ttatteteat tattggeett
                                                                    6420
ttaaataaaa agttgttttg cagtgtgcct tgagtgcccc gtgaaaactt ctctttaatg
                                                                    6480
acctccaggt gtgttcctgc cccacgcact cgggctgaac aaacgatccg cttcaaaaac
                                                                    6540
cccgcttctc tgggcttctg gcattttgcc gtggtcgtaa tgcaggcttg gggttggaga
                                                                    6600
gccagctgga gggacgggtc ccgccgccag ctccctgcca cgcatgaact cggatacatc
                                                                    6660
tgttgacacc ccggtccccc gtcaaatatc tattccctct gcctgttgag tatgggtgta
                                                                    6720
tccacggttc cgtccccaac ac
                                                                    6742
```

```
<210> 7262
<211> 1057
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1058)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (260)...(501)
<223> similar to gi1916010 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7262
ggcggatggg gaaacaattg agattgaggg aggcaggcag agcggagcga aaacaggagg
                                                                       60
acagaaatag cgaagcaagg ccaagatcgg gacccccacc agggaggtgc ccagtacaga
                                                                      120
catgaaagta aggegggaaa geageteaag ceteaceeae egecetgeee eeageeeege
                                                                      180
cactcccagg ctcctcggga ctcggcgggt cctcctggga gtctcggagg ggaccggctg
                                                                      240
tgcagacgcc atggagttgg tgctggtctt cctctgcagc ctgctggccc ccatggtcct
                                                                      300
ggccagtgca gctgaaaagg agaaggaaat ggaccctttt cattatgatt accagaccct
                                                                      360
gaggattggg ggactggtgt tcgctgtggt cctcttctcg gttgggatcc tccttatcct
                                                                      420
aagtcgcagg tgcaagtgca gtttcaatca gaagccccgg gccccaggag atgaggaagc
                                                                      480
ccaggtggag aacctcatca ccgccaatgc aacagagccc cagaaagcag agaactgaag
                                                                      540
tgcagccatc aggtggaagc ctctggaacc tgaggcggct gcttgaacct ttggatgcaa
                                                                      600
atgtcgatgc ttaagaaaac cggccacttc agcaacagcc ctttccccag gagaagccaa
                                                                      660
gaacttgtgt gtcccccacc ctatcccctc taacaccatt cctccacctg atgatgcaac
                                                                      720
```

```
taacacttgc ctcccactg cagcctgcgg tcctgccac ctcccgtgat gtgtgtgtgt 780 gtgtgtgtgt gtgtgactgt gtgtgtttgc taactgtggt ctttgtggct acttgtttgt 840 ggatggtatt gtgtttgtta gtgaactgtg gactcgcttt cccaggcagg ggctgagcca catggccatc tgctcctccc tgcccctgtg ggccctccat caccttctgc tcctaggagg ctgctttgtt gccgagaac cagcccctc ccntgatttt aggggatggc gtaggggtaa 1020 ggagcaaggg gcagtggtnt tcaagtngtt ttnggtt
```

```
<210> 7263
<211> 1151
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1022)...(402)
<223> similar to gi29505 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7263
ttttttgatt ttaaatcttt aatcaaattc caaaggttat cagccatatt acatgccatq
                                                                      60
attagctttc tataagcaat ttttttact gtgtacagat cggtgtcaat gaaataaaaa
                                                                      120
aataaaactg tatactaggc aaagaacttt attaatcttt gtttcaaact tqattcccaq
                                                                      180
gcttcttcgg cttaattagc tgcaaagaat gaattgtgta taaqcaaaaa ctqaaaaqaq
                                                                      240
ctgcagtgtc caaggggctt gggcttaaaa atattagaga tctagatttt atcagatcca
                                                                     300
taaacaaaaa tttcttaaaa agcagtcata atataaaata gcagctccca gctcccagta
                                                                     360
acttetteag gttttatett cagaagttga eteaatteag tttgeeteat tettggaage
                                                                      420
ctcatcaaaa ttctccacaa gatctggaac ttcatcatca tcatcctctc caqtaqcaaq
                                                                      480
tggtgctttt ccatccacag attgtttggg cagagcttcg gccagtctcc ttaaactagt
                                                                      540
cagactatcc gcaccaagct ggtttaagat gctgggtagc atttctgtca gctgctttgt
                                                                     600
ctcagcatgg cctgtaatgg tgaaagtgtt cgctgccaga gatgcctgaa ctttagggtt
                                                                     660
gttaaagtgg atcactgttc cttggtttgt aaacatattc acctcttcaa taccagagat
                                                                      720
attgtttacc cctaacttct ttaaggagaa ctgaagtttt ttgtcatctq ctqtqqctqt
                                                                     780
totatgaacc accttcttct ttctgcgagc agttcctttc ccaccaatgc gcacttgtgc
                                                                      840
etgeagtttg gegagttttt eetggtteat gattgtttet tteatetgag geteetgtee
                                                                     900
tegggtteeg cegegaggtg gaggttgaga cagegtegee tegececeag ggeageegee
                                                                     960
cctggctcga cctcgccccc gagagtcagc ctgagcgggt gcgcctgtcc gtcgcatcgc
                                                                    1020
ettecttete etectetgee etgtecetee etgteteget eetteaggga aetteeegee
                                                                    1080
cccgctcccg tcctcctacc acgccgccgt ccagagcctt tttgtacctt gtcggagcga
                                                                    1140
ataaggggcc q
                                                                    1151
```

```
<210> 7264
<211> 1071
<212> DNA
<213> Homo sapiens
```

<220>

```
<221> misc_feature
<222> (1046)...(527)
<223> similar to gi454248 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 7264 tttttttttt ttcaaactga gaaaggtttt acttttaaga caaaacaaat agcattaaca 60 cacatccaaa tgccagtgca ggagttcact gggtttataa aagagaaaac taaactcaag 120 180 tgtcaaataa aaactggagc cgtcaagaat gactgcttgt ggcaacacag gtgtaacatg tgcttgtcta aagtcgttct gtgtttgtgg atatgtggaa atgcatgacg agggaaacga 240 tgcaaggcaa aatggcaggt gctcaaagct ttaagatcct tttcttcacg cttgtgtgct 300 cttgttttgc ttttgagaat tagggtaatt cgcaggtcat tttacaaaga actgtaatat 360 caaagaacac ttccaaacgg ctaaaatagg ctcaaggtca ctattaaagt gataaaggga 420 ggtccgtggg ggaaaagttt gtgttctcaa aagccagatt tcacaccatg gcaggcacta 480 aatctagtta catgtgcttg cagtagaaaa agaagacact gatcttaata gaggctggtc 540 tttttcatga tgcgcaggaa ctcttgctca ctgacctctc catctccatc tcgatcagct 600 teateaatea ttteetgeag eteeteatea gteaggttet caeceaacte ettggecaeg 660 cgtttcagat ttttgaacga aatcttccca gtttcatcat catcaaagag cttgaaagct 720 ttcaggattt cttctttagt atctttctca gacattttct gggtcatcac agttaaaaag 780 tcaccaaagt tcatttttcc tgtcccttcc ttatcaattt cacttatcat tttcttaatt 840 tettetttet tgggtteaaa geecagggee eteattgeea eetteagtte tttaacatet 900 atggtgccag ttccatccgc atcgaaaaga tcaaaagctt cccggatctc ctgcttttgc 960 tetteagtaa geteaggett agggeteatt ettttteget gagaaettga tgeeatgttt 1020 gccttcttaa agttggaggc catagccaaa ggagtccgct gctcggttgt t 1071

```
<210> 7265
<211> 2118
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2078)...(1745)
<223> similar to gi5262653 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7265
gctcgacttt tttttttt taacaaaact aagatggaca tttcacacaa cgcagagcta
                                                                      60
cgagaacatc tcttatgctc cttgccatgg gattttaatg ccccaaggtt cataactaca
                                                                     120
gcaaagaaag taagtcaaaa ataaactgag cttaaagaag gtggcaggcc aattttccca
                                                                     180
aaaagactgt ggactgtggg ctgctgtgta gcctttgcta cgaggctgag gaagcagaag
                                                                     240
aaagatgaat tgggcaattg gtgatgaaaa gtatttgcca ttttcaaagg cttctcagtg
                                                                     300
tggccataga ttttgctagt caatttttaa aaaattatat ttttagctca acacacagct
                                                                     360
ctaaagcagg gttcagtgta gtgtgttctc taccgaaatg gttatataca gatggtatgg
                                                                     420
aaatggtttt aaagattact cataaactat ccttttaaag aaaaactaga ctcggtcata
                                                                     480
tttgttaaaa tgagcaatgt caccaaacag aaatgtaggt gggaaatact gaaccacaaa
                                                                     540
catttggagt tgcaggcata gactagcaga gcatgaacag tcatcactgt ttttataata
                                                                     600
```

```
ctgaaacact caaatctgtt tctgaggttt aaaacacaga gctatattat attcataaac
                                                                      660
ttccccctcc acttaagtta tatttgccta acacataatg gacaaatcaa tagagccaaa
                                                                      720
                                                                      780
gcaaatttgc aaaaggctca ggtcaacatg aaaattttaa ccttagtatt aggaaactct
tagaatactt acaaattaaa aaaacacaca ataaaacaca catacacata taaaccagtg
                                                                      840
caataagaac tttagacaag ggcagtgcat ctctggttta agaaaaccta tttgtagctt
                                                                      900
gattataata aattaactct attctagatg atggtttaat tttacaagca gcatttgaaa
                                                                      960
cacattgtat atgtatgctc aaaacctgaa aaccaattca ccagtaacaa ttctcaatca
                                                                     1020
gtaacaaatt cctactttaa ttgtatattg cacatacttt tagtgtctac gttaaaataa
                                                                     1080
atttaactct tcttaatgta aatatcggag gaccatacct gttgcccttg tagaaataat
                                                                     1140
ttaccttgaa taacagattt tcctttcttg acaaacaaga atgagaatag atttcagctt
                                                                     1200
cgttagtcca aaactatttt aaagaaaatg gctattttat gtggcgaaga cactggaaat
                                                                     1260
ggattgttaa acacaaaatc cttggtttat ccattgttgc cattttgaaa aacatttcta
                                                                     1320
tggtcagagt gtttaaaagt ctgacccttt ttttaaacca ccaaatagtc cctagagaga
                                                                     1380
ttagctgtct ccttgactgc tctagaatgc tgcttggaga gtggacacag agaaaaagct
                                                                     1440
ttggataaaa tggcatgaaa cacaaatggc attaaatagg tcatctattt cacgtaaaaa
                                                                     1500
taaaatgact agcacctcct tccggctccc aaagtgacag gccctaacag gccacatgaa
                                                                     1560
acatggttta tgatagtaag tttcattatt catacagtat tgagaaatcc attacattag
                                                                     1620
gggggtccca catctaaagc cttcacttca aggctaccgt gtaaaagtga actgaagggc
                                                                     1680
acaaggagag aacggcggac acaggcccaa gaaggtcctt gcgaagggtg cgaggagacc
                                                                     1740
tttcagggac tctcctgcat cocgtcctct gtttccagtt ctgccaactg ccttcgaagg
                                                                     1800
atattgactt ttgcttgtaa ttctttatta tattcaatga tgttaaccat ttcttcatat
                                                                     1860
getteateca aataettaga ggatetatte caacgtagga aaataeette ceacagtgga
                                                                     1920
agactetgeg gageaactga aggecagatg acaaggttgt tggetteaaa gaggggattg
                                                                     1980
gtgaatttac tcagctcact gggctgatta acccaggacc acaaagacat cgtcttctgc
                                                                     2040
tgtagettea aettacatet tteaetttea ttgttgeeca gaaatgttee aaactgtgag
                                                                     2100
gcataagcat gctcaaag
                                                                     2118
```

```
<210> 7266
<211> 6703
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (213)...(1465)
<223> similar to gi2662087 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7266
attgattcta attagcacat tttgtgcctc agctagtagc tccccgttaa gctctgcctg
                                                                       60
gagagttttt ttttagattc catcctgctc ataaacactg ccacctcctc cctccttctc
                                                                      120
tetttacaaa tgttacaaca caatcagaaa ttteetettt tettteette etgeatttte
                                                                      180
agcaggttcc cttgcgtcag aagcccagga ggaaaactca aggttttctc acgatgagtc
                                                                      240
ggaggaggat atcgtgtaaa gatctgggcc atgctgactg ccaagggtgg ctgtataaga
                                                                      300
aaaaggaaaa gggaagtttc ctaagcaaca aatggaaaaa gttctgggtg atactgaagg
                                                                      360
ggtcgtcact gtactggtat agcaatcaaa tggcagagaa agctgatgga tttgtcaacc
                                                                      420
tgcctgattt cactgtggaa agagcatctg aatqcaaqaa aaaqcatqct tttaaqatca
                                                                      480
gccatccaca gatcaagacc ttttattttg cagctgagaa tgtgcaggaa atgaacgtgt
                                                                      540
ggttaaataa acttggatcg gctgtaatcc atcaggaatc cactacaaag gatgaagaat
                                                                      600
gttacagtga aagtgaacag gaagatccag aaatagctgc ggagacacca cccctcctc
                                                                      660
```

```
acgettecca gacteagtet ttgactgeac ageaggeate tteatectea eccageetga
                                                                     720
gtggaacgtc gtattctttc tcttccctgg aaaatacagt gaagacaccc agcagttttc
                                                                     780
cttcctcctt atctaaagag agacaatcct tgcctgacac agttaacagt ttgtctgctg
                                                                     840
ctgaagatga gggacaacca ataacgtttg ctgtgcaagt tcattcacct gtaccctcag
                                                                     900
                                                                     960
aggcaggcat ccacaaggcc ctggaaaaca gttttgtcac atcagaaagt ggatttttga
actetttate tagtgatgat acttetteat tgagtageaa teatgaceat ettaetgtee
                                                                    1020
                                                                    1080
cagataagcc tgctggatca aagatcatgg acaaagaaga gacaaaagtg tctgaagatg
                                                                    1140
atgaaatgga gaagctgtac aaatcattag agcaagctag tctatctcct cttggggacc
                                                                    1200
gacgaccttc gactaaaaag gagttgagaa aatcctttgt taagcggtgt aaaaatccat
                                                                    1260
ctataaacga gaaactccac aaaatccgaa cattgaatag cacattaaag tgtaaagaac
atgatetgge catgattaac cagttgetgg atgacecgaa getgacagec aggaaataca
                                                                    1320
                                                                    1380
gagagtggaa agtcatgaac accetgetga tecaggacat etateageag eagegggett
egectgeece tgatgacact gatgacacce eccaggaact caagaaatca cettettete
                                                                    1440
cctctgttga aaattccatt tgagacaaag tcagggtttt ctcctcttat attttatcac
                                                                    1500
aagcaactct tcaagatgtt gcaaaagctt acatttttcc ttaaaaggaa aactgaaacc
                                                                    1560
cagtccttca agcatcagct teccatctaa agatgcacgt tagatgaaga taatcaccga
                                                                    1620
atacaccagg geteeteatt teagtegtaa egeateeatt gagattggaa tgattgagtt
                                                                    1680
cagttgaaag gcgttttttg tgttcctact gggagctcac ggtgatgtgg ggctctaggg
                                                                    1740
gggatgtgag aaatgtctct tctgttcatt gctctccaga gaatgctatg gacaagaatc
                                                                    1800
aaattttacc aggagtaatt gcccatggaa acattctgtt tttcaaaaga agaatgtaca
                                                                    1860
tattccactt gactgggaag ctgtgtggcc caaatcactg tttgagtgga ggaatgtttt
                                                                    1920
ctagagcagt gactggaagg acaaacgtgg tgttgcagaa caaaaattcc ttgcctttgg
                                                                    1980
tatggaatgg tggtgccttt tccatgtgat gagaaatgct tcatagacag tggcatgtgg
                                                                    2040
gagagetgaa ggaggaggeg tgttecatat tecaeteatt caaaggacag ettggtgttt
                                                                    2100
tcacacttta tgcaggttag gggatctgat taatgtttcc tttccttaca acagctagag
                                                                    2160
aaaacatctc atcacaattg gagacctcta cttcctttga gctttcctac tcaatggtag
                                                                    2220
gagataggaa tatgttccgc aaagaatgtc tactgctctt gtccttggct gtgatcccta
                                                                    2280
tacatagtgt gaatttatat ccaggtttcc caggatcaat attgacaaga cgactttggc
                                                                    2340
atctgaattg ttttaatatc tttactcaaa aaaacaaaaa aacaaaaacc catggaagca
                                                                    2400
acaaaagagt taaacatgag ggatttattt ttgtatgttt atatgtcact tgtgtgctat
                                                                    2460
gtgaatagct atgtttgtta tttaaatata tttatagaag ttcaaattac tagtgtttaa
                                                                    2520
aagatgatat actattatat attgtgctta gtatatattt gatgagtcta tactttttgc
                                                                    2580
ttgagaaaaa tagaaatact attgattcac tggtgttatg atgttgcact gtgtctgagg
                                                                    2640
aatgctcagg aaatcttgtg ggaaaaaaat ggggcatgca ttcataattt ttcattttct
                                                                    2700
tececacece aacceccatg agetettaaa tttagattte tatetettgt aagteactet
                                                                    2760
tttaaccagc aaaggacttt catcttagat tatcctttct attaaataaa ctttaagctt
                                                                    2820
tgtgccattt atgcctgcaa accttagacc aaaggcaaca caactaatgt catcttttca
                                                                    2880
ttaaagacta atagaaattt agaaatcatt gtgttaaaga gagctataga gaaacaatat
                                                                    2940
gaaagtette cettactaat caccatgaat attteteace ataggaataa ceacaaceca
                                                                    3000
ccaagtaccc atgttggccc tgcctacccg taacaaattg ttcacacaac ctattttgtt
                                                                    3060
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                                                                    3120
aaacaaaatg gaaatagttg ttgaatagtt ccccaagctt tactaagaag ccttaatact
                                                                    3180
ctgtaaacaa acaaacaaac aaaaaacaac cttagcatta agaaataaaa acaaaaaaca
                                                                    3240
3300
cccagcaaac atgtgggtac ttctccacct agggaagcca ctgaagatga gtttgacctg
                                                                    3360
tggtgacctg acagagagaa cattcagatc ctcagattgc accctgatgc cctggtttag
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                                                                    3480
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caacaccagc ctgtagactt ccagtttttc ttaaattgaa gagctccaga cacttttgag
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                                                                    4080
```

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4140
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caagecactt ttetggteca aagaatattg ggaaaactgg attactttea gtatatttet
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cctaaagtat aggattacaa agactccagg aagcgtaaga aagagattgt gtttggagtc
                                                                   4680
agatttcaat gtgaaaccca tgccttacat ttacacagca ctttqtaqtt tqcaaattqq
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                                                                   4920
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gttgctgttg gcacatagcc cactaggaaa ccaagaagtt tgactgggag cgtgtgtttc
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5280
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                                                                   5580
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tatttctctt ccaatttctt ttgtatacct cacaggagaa attgaatcct aaaactggga
                                                                   6000
gatgactgcc ctgcccaggg ttttgtaata cataattgaa aataaaagtc cctgaaacta
                                                                   6060
aatgtttgca gcctgtatga aatggactgt ggaaggggga taatttctct cctcacagaa
                                                                   6120
agccactegt etecttgaat gaggeattga geagacaeae gtttetetgt gtegtgggge
                                                                   6180
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                                                                   6300
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tgcatggggt ttgggggcaa gatattaatg tggaaatctt agcttaaqtt ttactqqqct
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ctcatcctgt gtcagctacc cctctaaact gaaaaagagg catggctcat ttctctcctg
                                                                   6540
ctttatgttt ttgaggttga cttgtaagat aaaaataaaa ataagaaaaa aatatatcta
                                                                   6600
ggcaaatgac atgaaaaaaa agttgaaata tactactggt gttcattttt gtcctgcagt
                                                                   6660
gttgctttct caaagaaata aacatgtggc tggaagtgtt taa
                                                                   6703
```

```
<210> 7267
<211> 2712
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
```

<222> (336)...(1095)

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<400> 7267
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                                                                     120
                                                                     180
ggggccttta tgcccttttg agggaagcac acattctgca aggccgtgga aacaaaggga
                                                                     240
ggaactgttt gtagccctcg tccagacgcc ccaaacaaac agagccaagt tacaccctgt
                                                                     300
ttaaccetge etteaaaggg aegaetetgt aagattetet getaettatt caagttgaca
                                                                    360
egatgeeett cacactecae etgaggteee geetteeete tgeeataagg agtttgatte
tacaaaagaa accaaacatc agaaatacat ccagcatggc tggagagctc cgaccagcca
                                                                    420
gcctggtggt cctgcccagg tcccttgctc cagcttttga aagattctgc caggtcaaca
                                                                     480
etggteetet acceetgetg ggeeagagtg ageeagaaaa gtggatgetg ceeecteaag
                                                                    540
                                                                    600
gtgctatctc agagaccagg atgggccatc cccagttctg gaaatacgag ttcggtgcct
gcaccggcag cctggcttcg ctggagcagt actcggagca gctgaaggac atggtggcct
                                                                     660
tetteetggg etgeagette teeetggagg aggeettgga gaaagegggg eteeecagaa
                                                                     720
                                                                     780
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atgetggett etgetgeeet etggtggtea egatgaggee catteceaag gacaagetgg
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aagggetggt gegggeetge tgeteeeteg gaggtgagea ggggeaacet gtteacatgg
                                                                     900
gegacceaga actgttggga atcaaagage tttccaaacc tgcctacggg gatgccatgg
                                                                    960
tgtgtccccc aggggaggtt ccagtgttct ggccttctcc gctgaccagt ctcggagctg
                                                                    1020
teageagetg tgagacecca etggettttg ceageatece aggetgeaca gttatgaetg
                                                                    1080
acctgaagga tgcaaaggct ccacctggtt gtctcacccc agagagaatt ccagaggtcc
                                                                    1140
atcacatttc ccaagatcct ctgcactaca gcatcgcgtc agtctctgct tctcagaaga
                                                                    1200
tcagagaact agagtctatg atcggcatag acccagggaa ccgggggatt gggcacctgc
                                                                    1260
tetgtaaaga tgagetgetg aaggeetete tetegetgte eeatgeeege teagtgetea
                                                                    1320
tcaccactgg gttccccaca catttcaatc atgagcctcc agaagagaca gatggccac
                                                                    1380
caggagetgt tgetetggtt geetteetge aggeettgga gaaggaggte geeataateg
                                                                    1440
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                                                                    1500
ttctgaagac gcagatcccg atattaactt accaaggtgg atcagtggaa gctgctcagg
                                                                    1560
cattcctgtg caaaaatggg gacccgcaga cacctagatt tgaccacctg gtggccatag
                                                                    1620
agcgtgccgg aagagctgct gatggcaatt actacaatgc aaggaagatg aacatcaagc
                                                                    1680
                                                                    1740
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caactggagt cggtgatgga ggcaacgagc ttgggatggg taaagtcaag gaggctgtga
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                                                                    1980
atcaggcctg gactcaggcc ctcccgtcgg tcattaagga agaaaaaatg ctgggcatct
                                                                    2040
tggtgcagca caaagtccgg agtggcgtct cgggcatcgt gggcatggag gtggatgggc
                                                                    2100
tgcccttcca caacacccac gccgagatga tccagaaget ggtggacgtc accacggcac
                                                                    2160
aggtgtaacc gtccatgttc cgtgtgagca gagtccctac caacgggcag gtctgcatcc
                                                                    2220
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gcaaacggaa aactcgccct ggccctggga aaactgcatg ccccactttc ctgggagggg
                                                                    2340
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                                                                    2400
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2580
ccagtcatcc tececcatec atggtttetg ttactcatgg tttcagttac teatagecaa
                                                                    2640
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                                                                    2700
aaaaaaaaa gg
                                                                   2712
```

```
<210> 7268
<211> 2895
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (294)...(993)
<223> similar to gi1591604 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7268 60 ttttatqctt qtttggtcgg tggaatatgt tgggatttat gtttgcctct gaacaagtgt cttgctcaca tcgtaaatga ctttctctcc gaaacgctaa atattctttc ccgcaggagc 120 180 tcatatcctt attttccatg acagatctta acgacaatat atgcaaaaga tatataaaga tgataactaa tatagttata ctgagcctga tcatttgcat ttcgttagct ttctggatta 240 tatcaatgac tgcaagcacc tattatggta acttacgacc tatttctccg tggcgttggc 300 360 tgttttctgt tgttgttcct gttctgatcg tctctaatgg ccttaaaaag aaaagtctag atcacagtgg ggctctagga gggctagtcg ttggatttat cctaaccatt gcaaatttca 420 480 qcttttttac ctctttgctg atgtttttct tgtcttcttc gaaactcact aaatggaagg 540 gagaagtgaa gaagcgtcta gattcagaat ataaggaagg tgggcaaagg aattgggttc aggtgttctg taatggagct gtacccacag aactggccct gctgtacatg atagaaaatg 600 gccccgggga aatcccagtc gatttttcca agcagtactc cgcttcctgg atgtgtttgt 660 720 ctctcttggc tgcactggcc tgctctgctg gagacacatg ggcttcagaa gttggcccag ttctgagtaa aagttctcca agactgataa caacctggga gaaagttcca gttggtacca 780 840 atggaggagt tacagtggtg ggccttgtct ccagtctcct tggtggtacc tttgtgggca 900 ttgcatactt cctcacacag ctgatttttg tgaatgattt agacatttct gccccgcagt 960 ggccaattat tgcatttggt ggtttagctg gattactagg atcaattgtg gactcatact 1020 taggggctac aatgcagtat actgggttgg atgaaagcac tggcatggtg gtcaacagcc caacaaataa ggcaaggcac atagcaggga aacccattct tgataacaac gcagtgaatc 1080 tgttttcttc tgttcttatt gccctcttgc tcccaactgc tgcttggggt ttttggccca 1140 gggggtgaac tttatttcat ttccacaggt tgaaactggt gagtccagct aaatttgcaa 1200 1260 ttccaacttt catcctaaga ataataactg taatggcaaa gcggaaatgc cagttcctcc tgtattccat tgagatggga tttcacattt tcctctcatc aactcccctg taatagctag 1320 1380 cgtctttcta gtgaaagaga agaattccta gaacttatgc attttttcc tgctgaatgg aagtettgag caatgaaget atattgteee tacatattae tatatattga actgaaagtt 1440 1500 1560 aaataaaagt gatgatattt aaaatagttc tcagttgaag cagagaaatg ccactgtgct agttgcccaa atgttgtatc tattttaaat agtttaagct gatgtgtatg ggagcctaaa 1620 caagtgtagt atcctgaact tctcccatta attgctattc acaattggga aaagtgtgga 1680 gattggttcc tagtgagttt tgtggcctac tccacatttg ttcttccttc ctcagggtta 1740 1800 gtgatgaaaa aaagtaaata totttttcat atgtocatta gaatgtatga aaaaaatcat tttaactaaa agcaaaagaa ttttatctta tatctaaaaa atatataact tactatatgt 1860 1920 ttcagttgct ctctgaacaa aaattatctt caatttaata tgtggaatgt gttttctagc 1980 tttctttgaa ttatgtatgg caacctggtt tagcactggc atcctgaaca gttaagagtc actgggaaat tattgtattt ctttataaat ttactgtcat atcaattgct ggaaaatgct 2040 2100 atgatttttc tattattacc ttctaagttg tattctctct tacactgtag cctcaactaa 2160 qqcaattctg ctatgtttgt tcttcactat gatttactgt gtgccaaagg agttttgaca gggtacagag tattttacta aaagtatttt taaatgtttc tcatgtgatt tctgtacctt 2220 cttcctcctg ccccttttgc ttttttaaag aaactgggga aggatttatg aatacaccac 2280 caccagagtg gataatgctt agaattcttt attggtggcc ctactatggt gatgatctag 2340 aactgactta cttcaggaca gaagaaaaaa caatcacacc cttaaccttt aagccagtta 2400 2460 gatcaggggg ttgcaacaat tgggttaaac tttgggtata cattggaagc accagggcat

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2520
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                                                                     2640
geeteageet eeegggtgge tgggateaea ggegtgeaee ateaegeeeg getaattitt
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caaaaaatta ggtgtggtgg tgcgtgcctg tattcccggc cactcgggag gctgaggcag
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                                                                     2820
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                                                                     2880
                                                                     2895
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```

```
<210> 7269
<211> 2469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (269)...(1127)
<223> similar to gi726136 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
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<400> 7269 cgacggcgca gcacggtgcg gcgcagctcc tgctcgcctt tcccttcgct gggcgagagg 60 tgtctatggg gcacccgctg ccgccgccgc taccgccacc gccaccgcca ccgccgccga 120 gtgctgtctc tatggcgagg aggaggagga ggagcgcgag ctcagcgaca caagtacata 180 aataaaggat aaaatatttt atgaaacaaa tetteaatea agtataacat tttgatgett 240 ggcatctaga ctcccttgtg ccctcactat gccagcggca actgtagatc atagccaaag 300 aatttgtgaa gtttgggctt gcaacttgga tgaagagatg aagaaaattc gtcaagttat 360 ccgaaaatat aattacgttg ctatggacac cgagtttcca ggtgtggttg caagacccat 420 tggagaattc aggagcaatg ctgactatca ataccaacta ttgcggtgta atgtagactt 480 gttaaagata attcagctag gactgacatt tatgaatgag caaggagaat accetecagg 540 aacttcaact tggcagttta attttaaatt taatttgacg gaggacatgt atgcccagga 600 ctctatagag ctactaacaa catctggtat ccagtttaaa aaacatgagg aggaaggaat 660 tgaaacccag tactttgcag aacttcttat gacttctgga gtggtcctct gtgaaggggt 720 caaatggttg tcatttcata gcggttacga ctttggctac ttaatcaaaa tcctaaccaa 780 ctctaacttg cctgaagaag aacttgactt ctttgagatc cttcgattgt tttttcctgt 840 catttatgat gtgaagtacc tcatgaagag ctgcaaaaat ctcaaaggtg gattacagga 900 ggtggcagaa cagttagagc tggaacggat aggaccacaa catcaggcag gatctgattc 960 attgctcaca ggaatggcct ttttcaaaat gagagaaatg ttctttgaag atcatattga 1020 tgatgccaaa tattgtggtc atttgtatgg ccttggttct ggttcatcct atgtacagaa 1080 tggcacaggg aatgcatatg aagaggaagc caacaagcag tcatgacatg aaatagtcct 1140 tttattttta tttcgagcta cacacatgct tgtatatagg ttttatctct ggttgaatcc 1200 ctcgaacaat agacagtacc tttccccccc ctttcatggc ccattttatt gtctgccttt 1260 cagtactaag tatgaccgtt cctatctcag atcttaataa aaagaaaaaa aaaaacgcat 1320 tcaggttaaa tttggcctta atttaatata cttgttagca agcgtgtgtg acagagagtg 1380 gggaaagcta catcattgaa tattttgata aactttaccg acttgagttt ggtttatttt 1440 tecettttee taaattaaet ageaetgaet gtaatttatt teeetgttte aegtetetee 1500 ettecattet geaggagttt tagetatttg agategtgga ceateagttt tgeaetttag 1560 agagtgtttc tgactctaaa cctgttttat cagaaaattt gttttttctt gatcttagct 1620 ggaaaaatct gccaacttta cacagtattt acttggtttt gacccacaga atatagcacg 1680 ttgtgcaaac tgtcgattca gcgaaactta aaaaagacaa gaaactactg aggagcttag 1740

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1800
taactgctgg tttctgtacg tagtgtttaa tcttccaagc acatctagtg tctgtcagtt
tctaattggc atgtgtaggc tgctctgtga ctgaagaatt ttcaaaccag ctttacaccc
                                                               1860
ttcaqqaaaa atcccttqtq attqqatqtt tactatctgc caggaaactg gtactcaaga
                                                               1920
tgttgaagct acagttattt tatgatagca cacttccctt gatctgctta tttttattcc
                                                               1980
atcaccattt accetttttt ttttttaaat tttgaageca ttettatgat getettgatt
                                                               2040
qqtqqqttac acaaatcaat tttattaaaa atccaaagat aagtctttag gtatattttg
                                                               2100
tcccaaatta aattaaaaaa caaaaatggg gctttcatag ttgctacaaa ggtaaataat
                                                               2160
2220
gataaaatta cctggggagt gtaatgctta tttttttgtg tatatctttg caacctattt
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tatatatatt gacaaaagag actgtgaaat acttaggcca tgcagaatat gtgaccagac
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cggagcatgt gtaggaagac tttacagtaa tcattaactc taccccgaaa tgatggacta
                                                               2400
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aqtcacatt
```

```
<210> 7270
<211> 4434
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (650)...(4139)
<223> similar to gi2204215 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7270 tcaacatatg aaaaatcaat gtaatatttc atattaacag ttggaagact cacaattcat 60 agtttcagaa tttacaacac aaacctacag gaataaagac aatgtagtat tagaataagg 120 tcagatatat agatcaatgg acagaattga cagtccagaa atacacccat acgattacgg 180 240 tcacctgatt tttgactaag gttccaaaac aattcactag gggaaagaat agtcttgtca 300 aaaaatggtg ctcagacaag tggatagcca taagcacaga atgagtttgg acccctatct caaatctcaa atacaaacat taactccgaa ttaatcaaat gcctaaattt aagagctaaa 360 attttaaagc tcttagaaga aaacataggt acacatcttt gtgactttga attaggtcac 420 ggtttccttg acatgacact taaaagtaca agcaacaaaa gaaaaaaata gataaaatga 480 acttcagcaa aattagaatg tttatgcttc agaaaacact gtgaagaaag tgatcagaca 540 actcacagaa tgggaaaaat atttgtgaat catatctctt aataagggtc cagcagaaaa 600 gggcaaaggt ggaaatggag gaggaaaacc teettetggt ecaaacegaa tgaatggtea 660 720 tcaccaacag aatggagtgg aaaacatgat gttgtttgaa gttgttaaaa tgggcaagag tgctatgcag tcgqtqqtag atgattqqat agaatcatac aagcatqacc qagatatagc 780 acttettgae ettateaact tttttattea gtgtteagge tgtaaaggag ttgteacage 840 agaaatgttt agacatatgc agaactctga gataattcga aaaatgactg aagaattcga 900 tgaggatagt ggagattatc cacttaccat ggctggtcct caqtqqaaqa aqttcaaatc 960 cagtttttgt gaattcattg gcgtgttagt acggcaatgt caatatagta tcatatatga 1020 tgagtatatg atggatacag tcatttcact tcttacagga ttgtctgact cacaagtcag 1080 agcatttcga catacaagca ccctggcagc tatgaagttg atgacagctt tggtgaatgt 1140 ggcactaaat cttagcatta atatggataa tacacaaaga caatatgaag cagaacgaaa 1200 taaaatgatt gggaaacgag ccaatgagag gctagaactc ctgctacaaa agcggaaaga 1260 gcttcaggaa aatcaagatg aaatagaaaa tatgatgaat gcaatattta aaggagtgtt 1320 tgtacataga taccgtgatg cgatacgtga aattcgagct atttgcattg aagagattgg 1380 catttggatg aagatgtata gtgatgcctt tcttaatgac agttatttaa aatatgttgg 1440

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acaaggtcca	aatgccaacc	ttgttaagac	attggttttt	ttctttctag	aaagtgagtt	1860
acatgagcat	gcagcatacc	ttgtggatag	catgtgggac	tgtgctactg	agctgctgaa	1920
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aacagatagg	caagagagtg	ctctgattga	aataatgctt	tgtaccatta	gacaagcggc	2040
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	cggaatattg					2340
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	gaagaacctg					2520
	tttcataatg					2580
	aaaactggaa					2640
	actcactatg					2700
	gacttgctgc					2760
	accaacgtga					2820
	atcttcagcc					2880
	cctgattctt					2940
	caggatgatg					3000
	gctctgcaca					3060
	gtggagatga					3120
	ggagatatca					3180
	aagaccctta					3240
	aattttgata					3300
	ttaacttttg					3360
	ggcatagaat					3420
	ttggcatttc					3480
	acagtgtatg					3540
	gtgtggcttc					3600
	atgtcagtca					3660
	ccatctacag					3720
	agtagtagtg					3780
	cagacaccac					3840
gcctgaggat	agcttcatga	gtgtttatcc	aatgcagact	gaacatcatc	aaacacctct	3900
	cggcgtggca					3960
	tcctcagaag					4020
	gatttgccac					4080
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	attaaatctg					4200
	acagtgaaat					4260
	gatcaagtgc					4320
	atttgatgat					4380
	tggcttttga					4434
			-			

<210> 7271 <211> 2957

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (134)...(1156)

<223> similar to gi1770163 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 7271

gcaattcggg cgcgtcaggc cgcgacgagg gcgctgagac aaatttacat gtattggaga 60 ccagaccaga agcccttctg aattaagatc tcacattctt gaaggtggca ttgaagagca 120 ctaagatcgg aagatgagtg agcttgacca gttacggcag gaggccgagc aacttaagaa 180 ccagattcga gacgccagga aagcatgtgc agatgcaact ctctctcaga tcacaaacaa 240 categaceca gtgggaagaa tecaaatgeg caegaggagg acaetgeggg ggeacetgge 300 caagatetac gecatgeact ggggeacaga etccaggett etcgtcagtq cetcqcaqqa 360 tggtaaactt atcatctggg acagctacac caccaacaag gtccacgcca tccctctgcg 420 etecteetgg gteatgacet gtgeatatge eeettetggg aactatgtgg eetgeggtgg 480 cctggataac atttgctcca tttacaatct gaaaactcgt gaggggaacg tgcgcgtgag 540 tegtgagetg geaggacaca caggttacet gteetgetge egatteetgg atgacaatea 600 gategteace agetetggag acaceaegtg tgeeetgtgg gacategaga eeggeeagea 660 gacgaccacg tttaccggac acactggaga tgtcatgagc ctttctcttg ctcctgacac 720 cagactitte gtetetggtg ettigtgatge tteagecaaa etetgggatg tgegagaagg 780 catgtgccgg cagacettca etggccacga gtetgacate aatgccattt gettetttee 840 aaatggcaat gcatttgcca ctggctcaga cgacgccacc tgcaggctgt ttgaccttcg 900 tgctgaccag gagctcatga cttactccca tgacaacatc atctgcggga tcacctctgt 960 etecttetee aagageggge geeteeteet tgetgggtae gaegaettea aetgeaaegt 1020 ctgggatgca ctcaaagccg accgggcagg tgtcttggct gggcatgaca accgcgtcag 1080 ctgcctgggc gtgactgacg atggcatggc tgtggcgaca gggtcctggg atagcttcct 1140 caagatetgg aactaacgee agtageatgt ggatgeeatg gagaetggaa gaccatteea 1200 acttggacgc gttaccatga gagcatatcc tatccaaccg tactaacgtg gacaccctac 1260 acctcccctc agaacttcaa aagggcaaga tettttttee tteaettatt getgaaacca 1320 agagcacaat tcccattgag agaaagatct ctgtgctgta aactaaaaca aattgtgcat 1380 teetteeggg gecategtet ttgttttett ttttgtettg aatgaatttt aaaaqqaaat 1440 atataataaa aatgttaacc agaaggtaaa cttgagtgta attgtcagac agacacactt 1500 ttccaccagt gtatttgaat tttaaaccag tgaccctgtt ttgtggcatt catgcaaaac 1560 atgctgaggg ctttgttcat ctggtcatcg tgtccaaatt tcagtcatgt ttgtaqcaaq 1620 attttggaag cattcatatt tcctttttaa aatgtattcc tttgtgttca acagttaatc 1680 aaaaccagag agtctagggc agcctctctg atgttgtcaa tgatgtaaat tcagtccctg 1740 gtttttaatt ttctgtctga tgtcacagat cattgttgca cacaaacgtg gcatagaaaa 1800 gaacatgttc agaagccatg gggccaagca catgcgggga cggtctcaaa tgcgtgatca 1860 gagaateett cacetttget gaaaagtgag etcagateca geaceatgtt eetcetgace 1920 catcotytct atottctcag ttgagttttt aatotcactt tgggtttcct tgtgaaqttq 1980 gagggaagtt tataatagcc taacactacc ccacccccaa ctaggaggaa cctctgtttt 2040 caagagagat gcctgtcctg tgcttggata gtcagtcaat tatttgtgta tgaaacaatg 2100 tacaaatcaa tgttttgaaa ataatgatct cagactttct aagttaaatt ttaaaaattt 2160 tgattgtttg ccatattggg tgggtttact cttagaatcg catgctgtag aaatgctcaa 2220 aagtgcatat gggactcagt ccttaggtgt tctttttctt ttaagaaata acctcttaca 2280 gttgtaacca ttgcggctct gtccacttct cgctgtccac ttctcgttgc tgctctgtgg 2340 cacatategg aageagtaca gegegegget etacaegett gggtageggg ataagteaet 2400 gttttcttta tttctttaaa aaaaaaaaa gttctgttgc aaacgactgc tgttggattc 2460 tgagggtggg gagggagaga gagggaggga gagggagtga agagcctgcc ctcctatatg 2520 gattetteag ggeeeteeae atetgaggtg geteatteee ateacacaea gattgteetg 2580 gtgttcattt caaggccagt gttcagcagc agcgtttgga aagcaggttc tgtgggaccc 2640

```
cccgcccgc ccccgcact ccttcatagc agcagtagtg gcttctccat cctgttttct 2700 gcaacattct atacaaaact gtgctgtgac cttgcggtag gcctggatct ggcaaagaga 2760 atacaaatga aacccttct ttctcttcc gtccaacaac tctgtagagc tctctgcacc 2820 cttacccctt tccacctttt gtatttaatt ttaaagtcag tgtactgcaa ggaagctgga 2880 tgcaagatag atactatatt aaactgtact gttatttaag atgtaataaa gcagtttgac 2940 atgagggaaa aaaaaaa 2957
```

```
<210> 7272
<211> 3255
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (516)...(2409)
<223> similar to gi3327216 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7272 aacaagatac caaaatgcat gaaatttata aaggaaatat tactccccaa ttgaataaaa 60 acactettaa aacttetget gecaeggatg tttgggetgt gtaettttet caattttgga 120 tagattatga agggatgaaa agtggaaaag gacggccaat aagttttgta gactcattcc 180 ctctttccat ttggatttgt caaccaacaa gatatgcaga gtcacaaaaa gagccgcaga 240 cttgtaatca ggtatctcta aatacatcac aaagtgaatc tagtgatctg gctggccgat 300 tgaagcggaa gaagctcttg aaggagtatt atagtacaga gtctgagcct ttgacaaatg 360 gtggtcagaa gccttcttca tcagatacat ttttcagatt ttccccttcc tcgtcagagg 420 cagatattca tctcctagtt catgttcata aacatgtcag tatgcagatt aatcactacc 480 agtatctgct tctacttttc ctgcatgagt cacttatcct gctttcagag aacttaagga 540 aagatgtaga agctgtaact ggcagtcctg ctagtcagac atccatttgt attggaattt 600 tacttagaag tgcagaactg gctcttttgc tccatccagt ggatcaagca aatactctta 660 agteteetgt ttetgaaagt gtgageeeag tggtaeetga ttatttqeet acaqaaaatq 720 gggatttttt gtcttcaaaa agaaaacaaa ttagtaggga tataaataga attagaagtg 780 taactgttaa tcatatgtca gacaacagat ctatgagtgt tgaccttagc catatccctt 840 taaaggatcc tttgcttttt aaatcagcta gtgatacaaa tctgcaaaaa ggcatttctt 900 ttatggacta tttatcagat aaacatttag ggaaaataag tgaagatgaa agtagtggac 960 ttgtttacaa aagtggctca ggagaaattg gatcagaaac aagtgacaaa aaggattcat 1020 tttatacaga ttcaagtagt gtcttaaact acagagaaga ttcgaatata ctttcatttg 1080 atagtgatgg taatcaaaac atactttcaa gtactttaac tagtaaagga aatgaaacca 1140 tagagtccat ctttaaagct gaagatttgc ttccagaagc agcttcactc tctgaaaacc 1200 tggatatcag taaagaagag accccccag ttagaacact taaatcacag tcatctttaa 1260 gtggaaagcc taaggaacgt tgcccaccca acctggctcc tctctgtgtt tcttataaga 1320 atatgaaaag aagctcttca caaatgtcat tggataccat ttcacttgac agcatgatat 1380 tggaagaaca gttattagaa agtgatggaa gtgatagcca tatgtttttg gaaaaaggaa .1440 ataaaaagaa ctcaactaca aattacaggg gcacagcaga aagtgtgaat gctggtgcaa 1500 acctacagaa ttatggtgaa acttctccag atgccatcag tacaaattca gagggtgctc 1560 aggaaaatca tgatgacctg atgtccgttg tggtatttaa aattactggt gttaatgggg 1620 aaattgacat ccgaggggaa gatacagaaa tctgtcttca agtgaaccag gtgacaccag 1680 accaattagg caatatcagc cttcggcatt acctttgtaa tcgtccagtt ggttccgatc 1740 agaaagctgt aattcattcc aaatcctctc ctgagatttc tctgagattt gaaagtgggc 1800 ctggtgctgt aatacactct ttacttgcag aaaaaaatgg gtttctgcag tgccacataa 1860

```
aaaacttcag cactgagttt cttacatctt ctcttatgaa tattcaacat tttttggaag
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atgaaactgt tgcaacagta atgccaatga agatacaagt ttctaacacg aaaataaatt
                                                                     1980
taaaagatga tagtccccgg agtagtacag tatcccttga accagctcct gtaactgtac
                                                                     2040
atattgatca tettgtggta gagagaagtg acgatggete ttttcatate agagattete
                                                                     2100
acatgettaa caetggaaat gatttgaaag aaaatgteaa aagegattea gtgetgetga
                                                                     2160
ccagtggaaa gtatgatctg aagaaacaac gcagtgtcac gcaagccact cagacaagcc
                                                                     2220
caggggttcc ttggccttct cagtcagcta actttcctga gttctccttt gacttcacta
                                                                     2280
gggaacagct catggaagag aatgaatctc ttaaacagga actggctaaa gctaaaatgg
                                                                     2340
ctcttgcaga ggctcacttg gaaaaagatg ctcttcttca tcatataaag aagatgacag
                                                                     2400
ttgaatagca ggagtggcag tcaaaactga aattatagct ctgggagtag gaaggttata
                                                                     2460
tttataatgt ggatgttacc agttagggga agacttttat tttcatgaaa agacaataaa
                                                                     2520
acaaaatgga atgtgatgaa gtggtgacta tttcaaagcc agtttagaaa gtattagtac
                                                                     2580
gggcattaca atcttttggt tgttttgtgt tttggggctt aaccctcttt taagctgttg
                                                                     2640
tgatcctagg gaagtcaaca catagtgtaa aataattacc atgccctaat gaaaagaaga
                                                                     2700
tgtcatttcc taattttgat atctcatttt cggcattttt taaaatgtaa aaggaaaacc
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tettgtgtte acacagattg etgaattgat ttetecatat ttgttaataa tttaetatta
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tttacaaaga ttcaaatgct tttatgacta atgtaaaatg aaaagaggct tacattttaa
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atgttattaa aattatgtac ttaaatctat aattatttaa ttattgtaaa aagtccaagc
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agatcaataa actatataat taatgggttt ggaaaatcat caccctactg aacttacaaa
                                                                     3000
atatettgaa aatgtgaaaa atateatttt aaataatggg taeattgtat aagtggaage
                                                                     3060
tataattttc aacaaaaga tggtacaaat gtaaaagtaa aaagcacaaa ctatacaaaa
                                                                     3120
gcaaaatcta tggccaagtg atttaaaagc attacttgta cattccttta aacatttgtt
                                                                     3180
gttagaagca aaagagtaat ttatcctgct aaatttggca ccatttgtaa ttataaaaat
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tttgattaat actaa
                                                                     3255
```

```
<210> 7273
<211> 5523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2238)...(3309)
<223> similar to gi2887433 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

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<400> 7273
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                                                                       60
aattacaata gagaggagtc agcttattta aacaaactga ggttaagcca gagattgcag
                                                                      120
ttaacagtga aaaaatttaa agcaagtacc tggatggatg caaagcagtg cccaggagac
                                                                      180
ccaacttacg tgacagagat gatcattgtc actcattcat tatgttttga gcaccagcca
                                                                      240
tgtgccaggt ccagaactag aagaaacttg ggtgtaggtg agatcatagg aacagtccct
                                                                      300
gccccagctg aacatcagga agccagactg ggagcacatg ccgtggctga ctaggactcc
                                                                      360
agcagggacc tggggttcca tcagatcagt gtaaagcgat ggtttcccaa atgagacctc
                                                                      420
tecagagatg gtteatteea eccegeaatg gecaecagaa acattgtget gaccagaggg
                                                                      480
cttcactgcc ccaaacccca aaatcacact ccaggatgag aaacctaaaa gtctatcttg
                                                                      540
atgaggette atagetggaa accaeceete atggateeae aggetgeatt tgatgaaagg
                                                                      600
agactccagg aagtcgagcc attccaggca gacatgtagc aaaagcccga gctggggtcc
                                                                      660
gccctcatgc aataaataac acctgtgcac ataagagagg tgacaggcag ggcatccctg
                                                                      720
gggacctggg cctgtggcac gtgaagaaac acccaagaga gcacgaagtc ccaatgccat
                                                                      780
```

```
840
gaccagatat ttcggtgcca ggcatgcttc tgggtcccag caaaagacac acaaatccgt
gtccttgggg acccacagtc tagtgaccta gggctggccg ggtcgcacgc ttcttttcaa
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gggctcgaaa gcctctgcat ggatgcaact ttgggggaaa agtaacccta accctctgct
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teteteatee teecetette tgtgtatatg tetgtetett tetetetgtg tgtgeeette
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cccactccca tccccattcc tttttttatt tattatattt tggtggtgtg tggctcggtt
                                                                     1080
                                                                     1140
tetgttggte ceetegtgtg geceeteece tgetgeagaa etegteeage teggeeteet
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ccgaagcctc ggaaacctgc cagtcagtga gcgagtgcag ctcccccacc tctgtcagct
                                                                     1260
egggetecae catgggtgee tgggtgteca cagagaaggt gacegeeegg gtggeageea
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cageggeece actetecetg gteeceetge etgetgetea gacageecte acageegegg
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caacctggaa gctcagaatc gacaccaaga gtggggctcc tcttggggac agagggtggg
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acaaggctga gagcattttc tagaatgagt gcctggctgc tggacaatga ccacatggtt
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gtctcaaggg agaggaaggg gtatggggaa tttggaggtg tgaaggcttt ctcccagacc
aggtgttgcg tgcctgtcca tcctcctccc tcccttcccg agccacccac cagaccgttg
                                                                     1560
                                                                     1620
gatgageeat gteactgtgt cagaggetgt gtgettttee getttttagt ttgeaceee
acceccetge cettgattga gaatgtgete etgageaatg egaegatttt ggaaacetag
                                                                     1680
aatgaacaga ttcatttgaa gatgctttgg aatttttaaa tttgcataat gaaatgagca
                                                                     1740
aatcactatc accattaaat gaggcttcat tagttacatt atcaaaaacc attgacaagg
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ccacaaattg agggcactga tcaatttcca aacttctaaa acgtaggtca aacatagatg
                                                                     1860
cttatttgct gtcaaactca tgtgcattct ttgcaccccg gctcttttct cttgcatcac
                                                                     1920
                                                                     1980
agatcatccg tgagcagcag agccccaatg tttgttttat ttataaatat tcaggtttcc
cctcccttga atgtcaatgc cattttgtat ctccgcactc atcctgttat attaattttt
                                                                     2040
tttcctttcc ccccctttt tttgtttgtt tccagttgtc taacgggttt tctcactata
                                                                     2100
gtttatcaag tgagtcccac gtggggccca cgggtgcagg ccttttccct cattgcctgc
                                                                     2160
etgeeteeeg cetgeteeet egggteacet etgteeacet teeagaetae geteattatt
                                                                     2220
acaccattgg gcccggcatg ttcccgtcat ctcagatccc tagctggaag gactgggcta
                                                                     2280
agcctgggcc ctacgaccag cctctggtga acaccctgca gcgccgcaaa gagaagcgag
                                                                     2340
                                                                     2400
aaccggaccc caacggggga ggacccacta ccgccagcgg cccacctgca gcagctgagg
aggeteagag accaeggage atgaetgtat eggetgeeae eaggeetggt gaggagatgg
                                                                     2460
aggettgtga ggagetggee etggeeetgt eteggggeet geagetggae acceagagga
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gcagccggga ctcgcttcag tgctccagcg gctacagcac ccagacaacc acccctgct
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gctctgagga caccatccct tcccaagttt cagattatga ttatttctct gtaagtggtg
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accaggagge agatcagcag gagttegaca agtectecae cattecaaga aacagegaca
                                                                     2700
teagecagte etacegaegg atgtteeaag ecaagegtee agecteaact getggeetee
                                                                     2760
ccaccaccet gggacctgct atggtcactc caggggttgc aactatccga cggacccett
                                                                     2820
                                                                     2880
ccaccaagcc ttctgtccgc cggggaacca ttggagctgg tcccatcccc atcaagacac
cegtgatece tgtcaagace ccaacegtee cagacetece aggggtgttg ccagecete
                                                                     2940
cagatgggcc agaagagcgg ggggagcaca gccctgagtc gccatctgtg ggtgagggcc
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cccaaggtgt caccagcatg ccctcctcaa tgtggagcgg ccaagcttcc gttaaccctc
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cacttccagg cccgaagccc agtatccctg aggagcacag acaggcaatt ccagaaagtg
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aagctgaaga ccaggaacgg gaacccccaa gtgccactgt ctccccaggc cagattccag
                                                                     3180
agagtgaccc tgcagacctg agcccaaggg atactccaca aggagaagac atgctgaacg
                                                                     3240
ccatccgaag gggcgtgaaa ctgaagaaga ccacgacaaa cgatcgctca gcccctcgct
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tttcttaggt tcacaagaaa tgcgccggtg gggaatgaac tgtttcatta ataaaaccta
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atttgtcttg atccattcca ctctataata aaacaaaaga ttttgtaggc aactcggaat
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atagetettt tgaaagtaet egacacettt agataagaat taaaaceaac etatgtaaet
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gacataatct tgatctttta atttgtaaat attgacaatt ttctttctgc acattttaat
                                                                     3540
cttagtttcc cttttgattt ttctgaaggt gccaaattcc atttaacttt tttacaagtc
                                                                     3600
tttgtaaaat tttaaatgca taaagggggt tggggcaggg gaaccacgaa gtagttaatt
                                                                     3660
ttagaaaagg atttactata cttcactctt cttttttttt ccccacaagc ttttgtagat
                                                                     3720
gcattgtagt agtctagctt agaagcaaat gcaagttatt ttaatgtaca aactaaatgg
                                                                     3780
gtaagaggta aaatcttcat ttaaatatac tatgttctgg atgaaaagag caggagtaac
                                                                     3840
aattgatgag caatattcag agtgaagtaa atctggaaat ggtagactgt gttgggattg
                                                                     3900
gggggagggc catgggaggg gtacatcgtc aacatagccg atcctgttac atttaaqaqt
                                                                     3960
agcctcgtag gttgaatttc ttctggtagc ttcatggtaa atgcatccga ataagccata
                                                                     4020
ctggattgca gtgtttgttt ctgtagggtg tttaaggact tgacttcctt tctcccatga
                                                                     4080
tteetetgga etgeacacag cacceacaac cagececatg catgetgetg cetetgggca
                                                                     4140
gtcgtagaat ctcccacttc agtttctcgt tgattgtact cacctttatg gaatccaaat
                                                                     4200
```

```
acatccaaaa gggtaaggca gttttaaaaa tgtgaaaaca tttaaaaatg ataatagcag
                                                                     4260
ggaattetta gattatagta aatgeetttt aettaaetgt geecageagg etgggtgegt
                                                                     4320
taaaaagccc aagtattttg aaaaaactcg aacagatttg acaagggtag ccagcttgga
                                                                     4380
gtctagcaac ttgccaatgt gtttaccaat ctgggggctt gtttttcttt tcttcttca
                                                                     4440
aataaatggc agttaactgg ctttacagta aacattgaag agaggaggat ttgtttattg
                                                                     4500
tcactgggaa tctgaccact atactgtcct ttttttgtat tctgggtaaa tgttttttgg
                                                                     4560
aaaagatttg tettttetaa gtggaagtta aatttgttat aetgeecate eeetaaagee
                                                                     4620
aacagagatt tgtagattta aagggatcac atttgaagac aatagtgttt aagaaagcaa
                                                                     4680
gcaagtccct tagcagtcag gtcataacag ggcacatttc tgaccgaacc ctctcaaggc
                                                                     4740
agaggaggag tttggtgggt ttcatacacc ctgcagattc ctgttggctc taaccctcaa
                                                                     4800
ttacctaatc ttatgcttta acacataact gcattggatg tgagagtaac gtaccgtatg
                                                                     4860
gtcattgttc tatatattaa cattgaacac tgctgcgatt gctcaaggac attttatgtt
                                                                     4920
acggetttaa ageaaaggea tgattattag aaaetattta agetttttte tttgaaaaae
                                                                     4980
aagctccttt tacagaatat aaacaacagt agtgcctgtg gtttagccca ccaatcttga
                                                                     5040
tgactaaaag tagctgatgc attgtgcata tgatgcttga gatggttttt gcaaaagcag
                                                                     5100
aaatcgctgc caaggtaatc acaatagata aaagtggtat tttaaacctt tgaaataaat
                                                                     5160
ggatgtaact gtaccttggg taccagcttt tcacttgttt agtttttaaa cgttagtata
                                                                     5220
atctgaataa ataaaatgtt gccaaattca atgtagaaag aatgtgacaa cacaccttgg
                                                                     5280
gtagttctgc ttgtgttttt gcatattgta aaagcagtgt cacagctaaa aagaaagaaa
                                                                     5340
tcgtttctaa cagtaaatta ttgtgcttta gttgctagtt tgtactgaga gttgacctct
                                                                     5400
ccctgtgcag ttttttgttc taaacttgta taaataacaa ttgtgtaatg tgtctccctc
                                                                     5460
ctacattgta acaattgctt cagcctacgt tataaataaa gaaccactag attaaaaaaa
                                                                     5520
aaa
                                                                     5523
```

```
<210> 7274
<211> 1980
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1921)...(724)
<223> similar to gil707507 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7274
tttttttaaa ctatattagg caaacatatt cctttattta gattttatat tcacatttag
                                                                      60
tttttttatg cacacattta agactttata aacactaaca ttagcaattc cagaagggta
                                                                      120
ggtagatttt tttaaatata attactctta taaaaggaag aaatagagac tttactaatg
                                                                     180
gactgtattt ttgacttcac ctataatgca actaatcatc tacttagttg ctatgttaat
                                                                     240
ctatttgctt cttcagcaaa ttatcactga ctcagtggtt taaaacaaca caaatttacc
                                                                     300
atcttatggt tctgtgggtc agaagtttga cattgatctc actgggctaa aaaggtgcca
                                                                     360
gcaaggctgc attcctttct ggggactcta atggagaatc tgtttccttg ccttttcaat
                                                                     420
cttttttac aggcccctt cattccttgg ctcaaggtgt cttcctcctt caaagccacc
                                                                     480
ttttaacttc cttcaaaagt agttgtcttt cttatacagg atcactctga cctcctcttt
                                                                     540
tgcctccctc ttcaactttt aaagatccct acaattatat taggccctcc aaagtaattc
                                                                     600
aggataatet ecceatetea aggeeettaa taacatttta aattaateae ttetgeaaaa
                                                                     660
ttcttttgca atgtggcata acatattcac agttcctgag aattaaaaac attggcatcc
                                                                     720
ttaggcaaat ctgcttaact ttttcaattt agcttcatat cttttttac tccaagatag
                                                                     780
aagagtgatg tttaaagtac tcaagttaca gccagcattt accaattctt tgattcgact
                                                                     840
```

```
900
ttttaaaqta cttatqcttq aatccaqaac ccgaggattt tcgattattt gtgaaatgct
aatgttttct tccatgaggc agtctatttt atcattaaac tttttctctg ccaagaagat
                                                                      960
cacatctgga tagcttaaga caaacttctg tacctcttct tcagtacatc caagagaaaa
                                                                     1020
cagettetet ttgatgtttg egtagettet tetggeatag teattggaaa ggtetaggat
                                                                     1080
ttcaqctcct qqaccacata tcaqaaccaq cagttcctca ctgttcaaat tgaaagttga
ccgtaagaat tcaatgttag ctttcacccg cttggtgctc tgaattaaga taaaagggtt
                                                                     1200
tttaaaaatt atctttctga caaaatctgc gggatcattg tgacccaatg acaaaccggc
                                                                     1260
                                                                     1320
tgcctgcaaa aattcaacca tctgtttatt cagatcaaga ctattggaga aggtacgagg
                                                                     1380
ggcattggtc aacaatcgac aaaggcattt acgggtcaat ccaactgagt agaggaactt
tatattattc tctaagttta ggttgttatt ggaccgaaaa aaggattcag gagaacgttc
                                                                     1440
caaaatattt acaatttcaa ggtctgatgt cacaatcttt ctccacagat cccaccgttt
                                                                     1500
tgaaagattc tcgggagtac gtgttattgc tcgtggatat cttgatatga tgctagcgat
                                                                     1560
cacttetttq ctaqeteett tqqaaaqaaq qaacatette aggteetqet cattgqtaat
                                                                     1620
catectatga aaaactecag getgtegttt cettgecatg teaatateta eteceatagt
                                                                     1680
aagtaagttt ttcagtaggt cctcattttt caaaggctca ctgtctgtat tatgacactt
                                                                     1740
cacaccaaaa agcctaaatg aaactgattt gaagatgttt tctgctgaaa atcgagtcat
                                                                     1800
ccaacatett gaaccaaaga gaaagttatt teteatatge cagaggttte etggtgeeat
                                                                     1860
aatggttagg tagttcaaac cttttgaaat gcttgtttgt cctaaggaaa ggctctgcat
                                                                     1920
ccctccagaa aggctggaga acagctatct cctgaactgc acccatccac tgtagttcgc
                                                                     1980
```

```
<210> 7275
<211> 1176
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (992)...(440)
<223> similar to gi5912223 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7275
ttttttttt ttttagtttc taaaaatatt gttttattaa ataactgtta aataggattt
                                                                       60
ttacaaaata aatggcatag aaaagggtaa aaatgtttat gttcccagaa cttfctatgc
                                                                      120
cttttcaaca gaaaggaaaa ggcacagaaa gttgtcaqct qctattactt ctqqaqaqct
                                                                      180
gccacaactg gacggtgttg gagtatcacc agttctctct ctcatgggaa agaaggggat
                                                                      240
caacactttg tagagaggta gcacgtcttc aggtaacagc tgctacacac agctggcttc
                                                                      300
aactttaget eeeetgttga tgaetgteag etteaaggtg tageateeea tggeacteag
                                                                      360
gaagaattaa ggagetgeac gaggttttca agacatttca aataatagge atttagaggg
                                                                      420
tttgcttctg agtttgggaa agttttcttt gctaaggagt atgcttcatc cactcttctt
                                                                      480
tttactgatg ggcttttcaa agctgttttt gccttctgat aattgtaaat cagagcccaa
                                                                      540
agggcagetg etecaateet etgageattt tgatteteae tttecagaca ggeageaage
                                                                      600
acagtaatga ctttttcatt agccaggatc ttgggtttat ttgcaggact gaagcaaaca
                                                                      660
ttatgaaaga taagaagagg caataaaggg ctgctcttgt gcttgtattt gctcatctct
                                                                      720
gttagtaagt ctagacagcc atcaagcctc agaatcattt gttgcccatc ttctccagat
                                                                      780
gatatattca ggagtaactt caaccaaaga atagtcagat tacttagatg tttatttcct
                                                                      840
cettttggca atgetagaga gaggaagtte tgtaagaagt tactettetg aattacteet
                                                                      900
ttacagtcat gcgacaaggc caggtttgaa agaaqcataa aaaccatctq ctgaaccqtq
                                                                      960
gtgttctcca gtggcatctg ggaagccaac tttaggatac acagcatcag agagttgctc
                                                                     1020
acggetecte tatgtgtage ttgaacaggg tgttgtecae aacttgaeca acaaagagaa
                                                                     1080
```

```
<210> 7276
<211> 1595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (782)...(961)
<223> similar to gi36607 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7276 tttttttttt ttcagagttt tagatattat ttattttaaa ctaaagcaaa taacaagtta 60 agtgaaattt gcagttttca ctttgcattg tctatttaaa aggcctaggt attggagctg 120 180 aaatgctgaa gaggctaagt caggtatgta ttacaattag tattgatatt ctatacatta 240 acataacccc aacatatact tcaaatttcc tacccaaatt aaactggggt tttcaaatca 300 ggatggatca tataccagta tatggaatta taggtccaat taaaaattgg atttatatat 360 aatccccaca acccacacct atacacccct ttttqcctat caaqqqqaaa qqtaqqaaqq 420 qaqqqaqqtt taqqaaaqca tttttqtttc aaaaacacaq qctcacaqta tqaatattac 480 aagactataa aagcaagatc ttcttgtatt ttggaaacat atgagaacat gtgttctttt 540 aggtacacct tttctgtatg ataaaggctt tgcaaatcag ttttgagatt ttaaagaggg 600 ctttaaagct cagaacagtg agactttttt ctttttacag ctatagaaaa gttcaaaagg 660 taactactat atttggaagt attattcaca catagtgtct tgcatagagt agaccttcaa 720 taaaatatat gtgttaacga agattatact ttcaaatgaa agtaatattt gcttgtttgt 780 ttttaaacag atagccatca caactcaatg taactgcatg cactttcttg tcgtcatttg 840 gaaccaggct tctatcaact actatactag tcgaggggct ttagaccttt cctctgagga 900 gggctggcat ctcttcaggt ttaacagaga agaactcctg gacatggcat gggaagaatg 960 aaagaggett tgtaacaact cateccaaca cagectecaa catttgactg teacetgagt 1020 ctaacagcag tttgactttg ttgtacaata cagcaagtga tcatcacatt cttgtttgag 1080 cagatettt attttgaaac agattttgta getetagtea aettteeatt atecaaacea 1140 atattctaac ggctagtagc agtagtgata atccaaaaga gcagataatt taaaagtcac 1200 ttatacttag ctttgcgcta ttttttacct atcatatttc atcaaaatta aggtgctttt 1260 cacaatttga catatctgat gtcgggataa atgtaatgat caactggcag cattttttgt 1320 ttgtttgttt ttagaggcag gatcttgcta tgttgctcag gctggtctca aacttttggc 1380 ctcaagcaat cctcccactt cagcctccca gacacaagca actctgctca gccttttttt 1440 ttaaattaaa ggtatatgat atgccctaga tccgatgaaa tatgggtgtt tgaatatatt 1500 cagatetgag gtttaaaaaa atteatttea aataetggag ataaaetetg aagageetae 1560 ccatgaaaaa ctagcaagta aactgcttcc ctacq 1595

<211> 2034

<212> DNA

```
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2035)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (112)...(1570)
<223> similar to gi32055 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7277
ceggatteeg ggtegaceca egegteeget cegaagtgge ageagecaga gagggagteg
                                                                       60
gtgtggacgc gaggagccgg gcgcttagaa cagaggcttg cacaggtgga gatgtggaag
                                                                      120
tetgtagtgg gecatgatgt gtetgtttee gtggagaece agggtgatga ttgggaeaca
                                                                      180
gatectgaet ttgtgaatga catetetgaa aaggageaac gatggggage caagaceate
                                                                      240
gaggggtctg gacgcacaga acacatcaac atccaccagc tgaggaacaa agtatcagag
                                                                      300
gagcatgatg ttctcaggaa gaaagagatg gagtcagggc ccaaaqcatc ccatqqctat
                                                                      360
ggaggtcggt ttggagtaga aagagaccga atggacaaga gtgcagtggg ccatgagtat
                                                                      420
gttgccgagg tggagaagca ctcttctcag acggatgctg ccaaaggctt tgggggcaag
                                                                      480
tacggagttg agagggacag ggcagacaag tcagcagtcg gctttgatta taaaggagaa
                                                                      540
gtggagaagc acacatetea gaaagattac tetegtgget ttggtggeeg gtaeggggtg
                                                                      600
gagaaggata aatgggacaa agcagctctg ggatatgact acaagggaga gacqqaqaaa
                                                                      660
cacgagtece agagagatta tgccaaggge tttggtggce agtatggaat ccagaaggae
                                                                      720
cgagtggata agagcgctgt cggcttcaat gaaatggagg ccccgaccac agcttataag
                                                                      780
aagacgacgc ccatagaagc cgcttctagt ggtgcccgtg ggctgaaggc gaaatttgag
                                                                      840
tccatggctg aggagaagag gaagcgagag gaagaggaga aggcacagca ggtggccagg
                                                                      900
aggcaacagg agcgaaaggc tgtgacaaag aggagccctg aggctccaca gccagtgata
                                                                      960
gctatggaag agccagcagt accggcccca ctgcccaaga aaatctcctc agaggcctgg
                                                                     1020
cctccagttg ggactcctcc atcatcagag tctgagcctg tgagaaccag cagggaacac
                                                                     1080
ccagtgccct tgctgcccat taggcagact ctcccggagg acaatgagga gcccccagct
                                                                     1140
ctgcccccta ggactctgga aggcctccag gtggaggaag agccagtgta cgaagcagag
                                                                     1200
cctgagcctg agcccgagcc tgagcccgag cctgagaatg actatgagga cgttgaggag
                                                                     1260
atggacaggc atgagcagga ggatgaacca gagggggact atgaggaggt gctcgagcct
                                                                     1320
gaagattett ettttette tgetetgget ggateateag getgeeegge tggggetggg
                                                                     1380
gctggggctg tggctctggg gatctcagct gtggctctat atgattacca aggagaggga
                                                                     1440
agtgatgagc tttcctttga tccggacgac gtaatcactg acattgagat ggtggacgag
                                                                     1500
ggctggtggc ggggacgttg ccatggccac tttggactct tccctgcaaa ttatqtcaaq
                                                                     1560
cttctggagt gactagagct cactgtctac tgcaactgtg atttcccatg tccaaagtgg
                                                                     1620
ctctgcctcc accccctccc tattcctgat gcaaatgtct aaccagatga gtttctggac
                                                                     1680
agactteect etectgette attaaggget tggggcagag acagcatggg gaaggaggte
                                                                     1740
cccttcccca agagtcctct ctatcctgga tgagctcatg aacatttctc ttgtgttcct
                                                                     1800
gacteettee caatgaacae etetetgeea ecceaagete tgeteteete etetgtgage
                                                                     1860
tetgggette ceagtttgtt taccegggaa agtacgteta gattgtgtgg tttgceteat
                                                                     1920
tgtgctattt gcccactttc cttccctgaa gaaatatctg tgaaccttct cttttgttca
                                                                     1980
tgtcctaaaa ttcagaaata aagtgagnac tatggttcac ctgtaaaaaa aaaa
                                                                     2034
```

```
<211> 6077
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (107)...(2827)
<223> similar to gi298097 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7278

60 gaagttccac gtcagtcagt ctgacggtca gtggatcggt gggtttatct caaggcctga 120 gtagccggta acaaacgagg gttcccggga ttggaccgac gcagccatgc ctctgcgact 180 tgatatcaaa agaaagctaa ctgctagatc tgatcgagtt aagagtgtgg atctgcatcc 240 tacagagcca tggatgttgg caagtcttta caatggcagt gtgtgtttt ggaatcatga aacacagaca ctggtgaaga catttgaagt atgtgatctt cctgttcgag ctgcaaagtt 300 360 tgttgcaagg aagaattggg ttgtgacagg agcggatgac atgcagatta gagtgttcaa 420 ttacaatact ctggagagag ttcatatgtt tgaagcacac tcagactaca ttcgctgtat tgctgttcat ccaacccagc ctttcattct aactagcagt gatgacatgc ttattaagct 480 540 ctgggactgg gataaaaaat ggtcttgctc acaagtgttt gaaggacaca cccattatgt 600 tatgcagatt gtgatcaacc ccaaagataa caatcagttt gccagtgcct ctttggacag 660 gactatcaag gtgtggcagt tgggctcttc gtcaccaaac ttcactttgg aaggacatga 720 gaaaggcgtg aattgcattg attactacag tgggggggac aagccatacc tcatttcagg 780 tgcagatgac cgtcttgtta aaatatggga ttatcagaat aaaacatgtg tgcagacact ggaaggacat gcccaaaatg tgtcttgtgc cagctttcat cctgagttgc caatcattat 840 cacaggttca gaagatggaa cagtacgtat ttggcattca agcacctacc ggcttgagag 900 cacactgaat tatggaatgg agagggtatg gtgcgtggcc agtctaagag ggtcaaacaa 960 tgtcgctttg ggctatgatg aagggagcat cattgttaag cttggtcggg aggaacctgc 1020 catgtccatg gatgccaatg gaaagataat ttgggccaag cattcagaag tccagcaggc 1080 caacctaaaa gcaatgggag atgctgaaat taaagatggt gaaagattgc cactggcagt 1140 aaaggatatg ggcagttgtg aaatataccc tcagactatt cagcacaatc ctaatgggcg 1200 gtttgtggtg gtgtgtggtg atggggagta tatcatctac acagcaatgg cattgagaaa 1260 caagagettt ggatetgete aggagtttge atgggeecae gattetteag agtatgeaat 1320 aagagagagc aacagcattg taaagatatt taagaacttt aaggaaaaaa aatcatttaa 1380 1440 accagatttt ggagcagaaa gtatctacgg cggcttctta ttgggagtca gatctgtaaa 1500 tggcttagcc ttctatgact gggacaatac agaactcata cgaagaattg aaattcagcc 1560 caaacatatt ttctggtctg actctggaga gctagtctgt attgctactg aggaatcatt 1620 ttttatcctt aagtatctgt cagaaaaagt cttggctgca caggaaacac atgagggagt 1680 tactgaagat ggcattgaag atgcctttga ggttcttggt gagattcagg aaattgtgaa aacagggctt tgggtaggcg attgcttcat ttacacaagt tctgtgaaca gattaaatta 1740 1800 ttatgttgga ggagaaatag tcaccattgc ccacttggac aggacgatgt atctcctagg ctacattcct aaagacaaca ggctttatct gggggataaa gaattgaaca tcattagcta 1860 ttccctgctg gtttcagtcc tggaatacca gacagctgtc atgcggaggg actttagcat 1920 ggctgataag gtccttccta ccattccaaa agaacagagg accagagttg cacacttttt 1980 ggaaaagcag ggcttcaagc agcaagctct tacagtatcc acagatcctg agcatcgttt 2040 tgagcttgct cttcagcttg gagagttaaa aattgcatac cagttagcag tggaagcaga 2100 2160 gtcagaacag aagtggaaac aacttgctga acttgccatt agtaaatgtc agtttggcct agcccaggag tgcctgcatc atgcacagga ttatgggggc ctgctgcttt tggccactgc 2220 ctctggaaat gctaatatgg tgaacaagct agcagagggt gcggagagag atggcaaaaa 2280 2340 taatgtggca ttcatgagct actttttaca gggcaaggtt gatgcctgcc tagagctctt aattagaact ggacggctgc cagaagctgc cttcttggcc cgaacttact tacccagtca 2400 ggtttcaagg gtagtgaaac tctggagaga gaatctctca aaagtcaatc agaaagcagc 2460 2520 agaatccctt gctgacccaa cagagtatga aaacctgttc cctggattaa aagaagcctt tgttgttgaa gaatgggtga aggaaacaca tgctgatctg tggccagcca aacaataccc 2580

```
2640
acttgtcacg ccaaatgaag agagaaatgt catggaagag ggaaaagact ttcagccctc
aagatctaca gctcaacagg aacttgatgg gaaacctgct tctcctactc cggttattgt
                                                                     2700
                                                                     2760
ggcctcccac acagccaaca aagaagaaaa gagtttactc gaactagaag tagatttgga
                                                                     2820
taatttggaa ttagaagata ttgacacaac agatatcaat ctggatgaag atattttgga
                                                                     2880
tgattgactg taatgctttc catttacctg actaaacaga tcattattat atataggtat
                                                                     2940
tgattgctac cctgaccaca gtgctttgga ctatgagaaa cttcttagat ttttatatgt
                                                                     3000
aaatgctgtg gaccactggg agcacaatgc ccacatcatc ttaagaagag tttatgtgca
gcatttaaat cactgtgttt tccttgttaa ctaaaacaga catgggcttt gattttttc
                                                                     3060
atactattag accatatctc ataaaacctt ttgaattaat gaaggtactt gtttcctttc
                                                                     3120
                                                                     3180
tcaataatga aaataggctt ctagttttag aaggctgagc cgaaactaca ccttgcctag
                                                                     3240
ggatcagece cactgtettt tetttgtata actaaatetg cattttcaaa tgttgtcaat
                                                                     3300
cacatttttc ttagagctga atatccaggc tgtaattctc taaacccttt ttcttgacct
                                                                     3360
cattgcatca ttccacaggt cttgccccga ttttgtctag cagctaccca tttctggagt
caggatgtga aacctctgtt cctctgacct cattaagctg ggggtctgtc taagttaacg
                                                                     3420
tttgccctat ttggtaacac aaaaacacac cagacttttt aaccgtacgc tcatctaaca
                                                                     3480
                                                                     3540
tgatttgaga aattcataac caggcactca aatatccttg tagcctacga aaagtgagta
                                                                     3600
qqqtaataat ttttqctttg tagggagaac tacaaattga tatcttttaa tctggccatt
                                                                     3660
ttttaacatt tagctcaata ttaacagaga aagtgggtag gtccagtatt tagtaaaata
                                                                     3720
aatgtatttt taaaatattt ttaggaagct gcagaatggc gactgagtgc ttcttgataa
                                                                     3780
gtctgcaggt gttagttcta tataggctcc ctttccgtgc ttctgttttt gcaaagacct
ttgattaaat ttatttccct cagcagcctg atccttggcc ccttgagccg actggccatc
                                                                     3840
tgggatggag cacgtgatac agctgggacc aagttggttg catcatcgat taaagctctc
                                                                     3900
tgaatctggg tcaatcagca aaccatcaat ctttttatta tttacaaaat accacaccat
                                                                     3960
ttccaccaaa gtatcttgtt gaacgtaaaa ggtcatattt tccacgttta tctatatctt
                                                                     4020
                                                                     4080
cataggtett gtgatgaace tatecacata aaatgeaact etteagaaac atgaaaataa
gaagtatgca gcattattca acgtacactg attagcatga gtgctgccca agcaagtaaa
                                                                     4140
                                                                     4200
accaggicta citacagity colocatate attaaccaat tygitatgatt taaaccatte
                                                                     4260
ctagtacaac ccaccttagg tgggaaggag gattctatta agaaagaatt ttggccaggt
                                                                     4320
gcagtggctc atgcctgtaa tcccaacact ttgggaagct gaggttggag gattgcttga
                                                                     4380
gcagtcctca tctctaggaa aattttttaa aaaattagct gggcatggca ggccacagaa
                                                                     4440
taagaccctg tctttaaaaa aattaaaaga gaagaatttg tctaaatgac agcaagtctg
                                                                     4500
tgccttctcc actgtagaag tatgtggcag cctgaagcaa aataccaaac atttatagcc
                                                                     4560
atattaagta ctttttggca ggccaactac aatttattaa gcaccgatta tgcatataga
qaccactqqa aataatgtag cacccacttc ttggtcacta tggcagaaaa gaaatcaagt
                                                                     4620
atttttcac tactctcct ttcccctatc cctccccca tcaactaccc tattctacca
                                                                     4680
                                                                     4740
gctagcccat tccatcttat taactaaagg tccttcagtc ctccttccag attgatcttc
                                                                     4800
ctaaatgaag gttctgatgg gggcattcct ctgttcaaaa ggctttcaaa ggtctgctga
ctgaattcca gattcctcag cctagcatct gaggtcacct atgatgtggc tacatccacc
                                                                     4860
                                                                     4920
ttcctaactt aatctttaat cactccccta catatgcatg gcatatataa gcaaaccaga
tcactggccg tttctcaagc ctccttttt cctgcctgtt gcttatactg ttctctctac
                                                                     4980
                                                                     5040
ctgaaacacc tcacccagct ccacctgcca caacatttcc tgcacttcta gaaccctcct
                                                                     5100
ttacacccct atgaaggett tetteaaaga atttgtaate ttetettagt gtetageatt
ttaggcctga ggagataatt atttgtatac ttactagcac ctttccccac agccatatcc
                                                                     5160
ggactgctgg ctttggcaca gcatactcta tcctagttcg tggcatcacc tatactaccc
                                                                     5220
                                                                     5280
aagataatac cttacacata gaaggtacta atgaatactt actgagctgt aagacaaaca
                                                                     5340
cactgtactt cagcaaaatt ttagtaaata atttgattcc tatacggtaa actgaaaaga
                                                                     5400
gaataggett tgtcatcaaa ettgggteet aaceetaeca ettagtaget atgeaaettt
cagcaagcta cttaactcta caagcttaaa ttccctcatc tttaatcaag ggttgttgtg
                                                                     5460
attataaaat atatatctgg cacacaactg tactcaatag attttcaggt atttctcttc
                                                                     5520
                                                                     5580
cctttcccct gtatcaaaac ttacaacgaa attcattgag ctagattaaa aatcttactc
                                                                     5640
ataaccatac ttaagcctat attttagaaa ctaaaatcta ctcaccctga tatactctgt
                                                                     5700
ggaatctggc tcaaactggg caaagcagag attgaggaca tcaacatgcc tgtcctggct
                                                                     5760
atacatagte taaaaccaca cagcagagtt agcateacat gagaacactg aagtteagca
cctgtcctga tgtcatgaca ggcctgccca cccacatact ggccactctg tgctcctcaa
                                                                     5820
                                                                     5880
gaagcataaa gaaagaacac aggetttgta attgteacae etagatteaa atteeagtta
agccaattat gagagaaccc tagtacaacc catcttgggt ggtaaggagg attctattaa
                                                                     5940
                                                                     6000
gaaagaagte ggeeaggeat ggtggeteae geetgtaate ceageaettt gggagtegga
```

```
<210> 7279
<211> 2942
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2943)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (222)...(1640)
<223> similar to gi183298 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7279 60 ggaattccag agtctggggt ccctggactg agccatcagc tgggtcactg agacccatgg caaggaaaca aaataggaat tccaaggaac tgggcctagt tcccctcaca gatgacacca 120 180 gccacgccgg gcctccaggg ccagggaggg cactgctgga gtgtgaccac ctgaggagtg gggtgccagg tggaaggaga agaaaggact ggtcctgctc gctcctcgtg gcctccctcg 240 300 egggegeett eggeteetee tteetetaeg getacaacet gteggtggtg aatgeeceea 360 ccccgtacat caaggccttt tacaatgagt catgggaaag aaggcatgga cgtccaatag 420 acccagacac tetgactetg etetggtetg tgactgtgte catattegee ateggtggae 480 ttgtggggac attaattgtg aagatgattg gaaaggttct tgggaggaag cacactttgc 540 tggccaataa tgggtttgca atttctgctg cattgctgat ggcctgctcg ctccaggcag 600 gageetttga aatgeteate gtgggaeget teateatggg catagatgga ggegtegeee tcagtgtgct ccccatgtac ctcagtgaga tctcacccaa ggagatccgt ggctctctgg 660 720 ggcaggtgac tgccatcttt atctgcattg gcgtgttcac tgggcagctt ctgggcctgc 780 cegagetget gggaaaggag agtacetgge catacetgtt tggagtgatt gtggteeetg 840 cegttgteca getgetgage ettecettte teeeggacag cecaegetae etgetettgg 900 agaagcacaa cgaggcaaga gctgtgaaag ccttccaaac gttcttgggt aaagcacacg 960 tttcccaaga ggtagaggag gtcctggctg agagccgcgt gcagaggagc atccgcctgg 1020 tgtccgtgct ggagctgctg agagctccct acgtccgctg gcaggtggtc accgtgattg 1080 teaccatgge etgetaceag etetgtggee teaatgeaat ttggttetat accaacagea 1140 tetttggaaa agetgggate eeteeggeaa agateeeata egteacettg agtacagggg gcatcgagac tttggctgcc gtcttctctg gtttggtcat tgagcacctg ggacggagac 1200 cectecteat tggtggettt gggeteatgg geetettett tgggaecete accateaege 1260 tgaccetgca ggaccaegce ceetgggtee cetacetgag tategtggge attetggeca 1320 tcatcgcctc tttctgcagt gggccaggtg gcatcccgtt catcttgact ggtgagttct 1380 tccagcaatc tcagcggccg gctgccttca tcattgcagg caccgtcaac tggctctcca 1440 actitigetgt tgggeteete tteccattea tteagaaaag tetggaeaee taetgtttee 1500 tagtetttge tacaatttgt atcacaggtg ctatetacet gtattttgtg etgeetgaga 1560 ccaaaaacag aacctatgca gaaatcagcc aggcattttc caaaaggaac aaagcatacc 1620 caccagaaga gaaaatcgac tcagctgtca ctgatggtaa gataaatgga aggccttaac 1680 1740 aagttteete etecaegttg gacaattatg teaaaaacag gattgtetae atggatgate tcacttttca ggaaacttaa aatttaccca ttattgggaa gcttaaatga attgaagcta 1800

```
tgcaagtctt ttatattatt aaatatttaa aagtaaacct gtactaatct aacattgcaa
                                                                 1860
                                                                 1920
ctgtgttagc attattcaca actgaatctc ccaaaccctt ctggaagctg caaggaatca
ctctatgttt cagtagaccc agcgttcttc tatataggta gatgacctgc cttcttcatg
                                                                 1980
                                                                 2040
actcaaccca tgatttcaaa atgaaattgg ggaaatagta ggttaatgct ttatcaaaga
                                                                 2100
aaaatcaatt tggtctgata ggggactcaa cggattagag atcacagact gaggttctag
                                                                 2160
teccagettt accaeaagea geettgaeet geetteaace tgggteeeag tgeeteaatg
accetagget tecatecetg atataggett teagaagtea gtggaaagat tatteatagt
                                                                 2220
gcctaagaaa tgcctgtttc caatatttga ccttgtggat ctcaggcttt ggagagccta
                                                                 2280
ataccaacac accagcctgc agattttgtc tttcccaaac tgtgttccag gaatgggctc
                                                                 2340
aaaacttcag ggctgacgct gtcctcaccc cagactatta gagtcctgtg tgctcacaga
                                                                 2400
gaacatgaag aaggagcaat gtgtagaaga cttaactttc tcataactgc agcagggact
                                                                 2460
                                                                 2520
gaaaattgac ctccatccaa atgaaaaata atgtttgang gatgattcta aagctaaacc
ctaggcttgg tgggaaaaaa aaaaaattgt gattaattgg tgatctctgc cacaagtgtg
                                                                 2580
gggctcagag tgtcagcaca tgtacctcat gtttaccaag tctagaagag atttctctga
                                                                 2640
aaaggtaatg agctgtcttg aaaaatgggg agttcaccat cactcaaagt gctcaaggga
                                                                 2700
agactgggtg attactcatc ttgactgttg ctaagaaaat ctgtgtcaac tttggaggaa
                                                                 2760
ggtgtttgga atagatatgt tgaggggctc ttctaactct tacatgctaa agttgtttga
                                                                 2820
                                                                 2880
gtaagatcta cttacagcct gccatcgtaa tgtgtggctt gtggtttggg cgatttccta
                                                                 2940
2942
```

```
<210> 7280
<211> 1807
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (59)...(1629)
<223> similar to gi5531813 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7280
                                                                       60
ccgcctcagc cgcctcgcac atttagtctt gccgggagtg gtgtgattcc cgaccaagat
                                                                      120
ggcggccgtg gggcgagtcg gctccttcgg ttcttctccg ccgggattat cctcgactta
cactggcggc cccttgggca acgagatagc gtcgggcaac ggtggcgccg cggcaggcga
                                                                      180
                                                                      240
cgacgaggac gggcagaacc tttggtcctg catcetcage gaggteteca eeegetegeg
                                                                      300
ctccaagctc cctgcgggga agaacgtgct actgctgggt gaagatggag ctggaaaaac
aagcttaata agaaaaattc agggaataga ggagtataag aaaggaagag gattggaata
                                                                      360
                                                                      420
tttgtactta aatgtgcatg atgaagacag ggatgatcaa acaagatgta atgtttggat
                                                                      480
cttagatgga gacctatatc acaaaggcct ccttaaattt tcactggatg ccgtatctct
                                                                      540
qaaggatact ctagttatgc tggttgttga catgtcaaag ccttggactg ctttggattc
                                                                      600
tttacagaaa tgggcaagtg ttgttagaga acatgttgac aaactgaaaa tccctcctga
agaaatgaaa caaatggaac aaaagttgat tagagacttc caagaatatg tagagccagg
                                                                      660
agaagacttc ccggcttctc cccagagaag aaatactgcg tcacaagaag acaaagatga
                                                                      720
cagtgtagtt ttacctctgg gtgcggatac acttacacat aacttgggca ttccagtact
                                                                      780
agtagtttgc acaaagtgtg atgccattag tgtattggag aaagaacatg actacagaga
                                                                      840
tgaacatttt gattttattc agtcacatat ccggaagttt tgtttacagt atggtgcagc
                                                                      900
                                                                      960
acttatttac acttcagtaa aagaaaacaa aaatatagac ttagtatata aatacatcgt
                                                                     1020
tcagaaacta tatggatttc cctataagat tcctgctgtt gttgtggaaa aggatgcagt
```

```
1080
atttattcca gcagggtggg ataatgataa gaaaatagga atattacatg aaaattttca
aacattaaaa gcagaagata attttgaaga catcataact aaaccacctg ttcgaaagtt
                                                                    1140
                                                                    1200
tqtacatgag aaggaaatta tggcagaaga tgatcaggtg tttcttatga agctacagtc
                                                                    1260
ccttttagca aagcaaccac caactgcagc tggaaggcct gtggatgcct caccaagagt
                                                                    1320
cccaggaggc tccccacgaa caccaaatag atctgtatca tctaatgttg ccagcgtgtc
                                                                    1380
acccatteet getgggteaa aaaaaattga teeaaacatg aaagetggag etacaagtga
aggegttetg geaaatttet teaacagttt gttgagtaaa aagaetgget eteeaggagg
                                                                    1440
ccctggtgtg agtggtggta gccctgcagg tggggctgga ggtggaagca gtggtttacc
                                                                    1500
accatccacc aaaaagtcag gccagaagcc tgtcttagat gttcatgcag aactagacag
                                                                    1560
aattacacga aaaccagtta cagtttctcc cacaacacct acatctccta cggaaggaga
                                                                    1620
agcttcttga agataccaaa taaagccatt tattctgttt tctgggataa tgtaaacatg
                                                                    1680
                                                                    1740
cctctgcctt ttccttcaaa agtggaatta gaaagctgga gtgcttcttc agatggacta
aatttatgtc gtgtgtgtgt gtgtgtgtt gtgtggttac ccatttttta gaaggagccg
                                                                     1800
                                                                     1807
atqtatt
```

```
<210> 7281
<211> 1212
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1058)...(521)
<223> similar to gi3860093 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7281
                                                                       60
tttttttttt ttcatatttt agtagtttta tttcccctat gagaatctcc cctgccctag
                                                                      120
ccccttcttc ctqcactctg gaacagagcc tctggcattc tgtccaagct ctgtctctaa
gggccacttt cccttttctg gctttagtat tcccaaaggg ttcctctggg ctgtgcctcc
                                                                      180
tttccttggt tcacatggga gggggcttcc ctgtttcaga agtcccttat gggagaaata
                                                                      240
                                                                      300
gagatccaag tttcacttca cctttttcag gcagttctgt ttcctgtcct ggggctggag
                                                                      360
tgggagagag geeteaceee teageattge teetteteea etagetgttt gggggtggge
tggtctcaga gtcaaaagca ctcttgggaa ggaatgaagc ctgaagattg aaaagtgtta
                                                                      420
                                                                      480
gtgccaggtg agcagggtta ggaagcccat tatctgtgtt ttctcagtca accattttgt
caaqqtqqaa tqtqctaqqc tcagggctct cagagcttcc cttcgtctag cagcttcctg
                                                                      540
agtccgtcac agatcttgcc aaggtgctga gtgaagtcag gcccatagag ggccgtgagc
                                                                      600
agacctgggt cagagaagtg atcaaacacg tggcggatgc ggccatgtga cttgggcgtg
                                                                      660
                                                                      720
aggtggtgtt ccaccaactc tagcagcaca tcccggcact cggtcagcag gccagccaga
acagcagcet cgaaggtgaa gtetaeetea ecaaagetaa gtgeegteat ggeaeeetge
                                                                      780
                                                                      840
cgcagcttct ggcgaaagcg ggtagccagg gccagctcac tggggccaaa ggagccattg
                                                                      900
eggtgeagea cagecaectt gatggeeact ttgateaggt cettgateac gegetgggee
tggggccggc tgtgcgtgta ctccttggac acacggtaga gctcatctag cacctcactg
                                                                      960
cttgtctcat ctatgaagag atgagccaca gagcgacccg ccatcttact cagtagcttc
                                                                     1020
                                                                     1080
ttctctgctt gcagtgccag gctctttgag ctgaaggact ccatgggtcc tggagagtgg
                                                                     1140
ggtatgtggt cagtcactgc tgtgctgggt gccagtcttg ccttggatgt tcccggaaag
cttacagaat ggagaagcgg acgcgtgggt cgcgccgggg tttccgaacg ggtatcaaaa
                                                                     1200
                                                                     1212
agggttttca aa
```

```
<210> 7282
<211> 3175
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2435)...(1492)
<223> similar to gi1313934 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7282 gaagcatggg teetttagaa egggeggeee etttttttt ttttgetgte ettttaaatt 60 ttaataaaat agattaattt catattacat agagagcaag tccatccatt catccgtgat 120 aaaattttag aaatattttc tataaaatgt ttagtattta attggaaatg aatccagtat 180 aacatgactt ccacagatac agcattccca tcctcactcc cattcctatt ttgagaaatt 240 300 ttaaaaatac agaaaagtac aaaaaataag acaagatatc cctataccac aatccagaat 360 caatcagtat cttcttatat ttacttgaag tcttttgaaa gagaagtgga tgtttatata 420 aaaagetgaa gteeeettta accaatacee ateecacete ceacacteat tatttteeet 480 tetecaetet teacaggtga ceaetateaa gagtttggte tgtateette caateegttt caaaaacatg tacatacata tatgcatcca ttaccaatag atagtactga gttttatgag 540 gaaactttta attcaaattt acaaaaaagt cattgtacta tctgtatcat tctgcaactt 600 gatececeet caacaattet gggatettte tgttaataca tgtggattte atttgttgca 660 ttttacagat atatagtatt acataagaat ttcccatatt gttcgtgatg ggctttctca 720 gttgtttcta atttttggct actacaaatc aagccacagt aaatatccta gtgcgtattt 780 cctgagcatt catactcata agtagaaccg ctaagtattt ctcaaattgt tccaaggaat 840 gtttccctat tcccaaggtc atatgcattt tagtacatag cttttccata tttctgtttt 900 taatctctgg attcactttt gtgtatagtt catggtctat ttttccccct tggagaacaa 960 actaceteca ettaaaaaaa atagtteeat tattteetea ttteetgatg eeacttgtat 1020 catattccaa attctaataa atgcataggt ctttttttga aatctcttct gctctgctca 1080 atcaatacca caggagtett aatattagtt gtagatgacc atgtcatcta tttttgtetg 1140 ttcctttcca atatttacaa cttaattttt cttgttactg gcgaagatct ccagatctat 1200 ggtggtagca ataaaaaaca ggcctccatt ttctgttccc acttttagtg aaaatgtgcc 1260 taaactttca ccattatctc tgctgcaggt ttctctgttg gacacagggt tttaatcata 1320 tgcatgtctt tctcttcagt acaaattttc tggtgtccct taagttttta gtacttgtta 1380 aagttaacct cattegtggt getttgette aqaaggatta tttetgggge atgatgaggt gcaaatttct aatgaaagct ttcccacttt caaggctttc atggggtttt tagtgagtat 1500 gaattttctg gtgtctaatg tggtgtgact tctggctgaa agctttccca cattcactgc 1560 actgataagg cttcttacct gtgtgtattc tcaaatgcag agcaagggtt gagaactgag 1620 agaaagcttt cccacattca ttacaaccat agggcttctc ccctgtatgg cttctcacat 1680 gcacagtgag agatgagctc tgagagaagg cttttccaca aacattgcat tcgtaaggtt 1740 tatcacctga atgaatcctc acatgtacaa taagtgatgt tcgctgagag aaggcttttc 1800 cacattegtt acatteatag ggtttetete cagtgtgaat gttetgatgt tttatgaggt 1860 acttettetg gecaaagget gtteeacatt cactacattt aaaaggette tetecaatat 1920 ggattttctc atgctcagta aggttggatt tgccactgaa ggtttttcca cactccttac 1980 atacaaaggg cttctctcct gtgtgagttc tctggtgtct gatgaggttt gacttctgaa 2040 tgaaagettt eeegeaatet ttacaeteaa aaggttttte teeagtgtga attttetggt 2100 gcgtaaggag gttttccttc tggctaaatg attttccaca ttcattacat tcgaaaagct 2160 tetegecagt atgggtgtte tgatgtttaa tgacatactq ettttqqcta aaqqetttte 2220 cacactegtt acatteaaaa ggtttetete tegtgtgaaa atgeteatge teagtgaggt 2280 ttgatttgtg gctgaagact tttccacata ccttacaggc aaaggggttt tccccactgt 2340

```
aaattttctg ctggctgagg tgtgacatct gaatggaagc tttcccacat tcacaaggtt
                                                                    2400
tctctccagt aaaaatttct tgatgagtga ggatttactt ttggctgaag atatttccac
                                                                    2460
atctcttaca tttataaggc ttctctgtgt atgatctccc aaatgcagag taagggataa
                                                                    2520
ggtttgagag gaaatgttat catactcagt atattcaatg ctttctctct agaaaaattt
                                                                    2580
                                                                    2640
tctaatattc aatgaagtat tgctaccttc actagtttct ctccagcatg aattttctgc
ttctcaatga gattgtcatc tagctaaggg cttgtcaata ctccttagaa gcacagggtt
                                                                    2700
                                                                    2760
tctcttcagc atgacttgca cgttcgacga aatgcaacat atgagtaaca gttcccccac
attcagtaaa ttcatagggt ttctctccag tatgaacact ctggtaacag atgaggtaca
                                                                    2820
aacgttttaa accaaagaca tttacactta aagggggtta ataccataag gagtaagctg
                                                                    2880
                                                                    2940
tggtagagaa gctcccaact aagtcccttg atgattcttt cctacacaac ctccctcatg
atttcagtcc aggttgtgtt tcaaactgaa aacttcaaaa aggtgtggcc ttaaaacaaa
                                                                    3000
tacgatctga gaacagagga agtatttttt cttatattca acgctctttt tctcagtctt
                                                                    3060
                                                                    3120
teetggagat ggateaacat geeteecaag teetggtgee teteaagtee tggtgeetet
ctatctqtqc atcatcttct caggettett cegegeagat cetteceact tettt
                                                                    3175
```

```
<210> 7283
<211> 3950
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(3951)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (68)...(1774)
<223> similar to gi5912126 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7283 categoccca ceteeggteg etggaegtge tetegegtae eteegeettt egtaagteee 60 120 cccgcctcgc atgatggctg cggtgccgcc gggcctggag ccgtggaacc gtgtgagaat ccctaaggcg gggaaccgca gcgcagtgac agtgcagaac cccggcgcgg cccttgacct 180 240 ttgcattgca gctgtaatta aagaatgcca tctcgtcata ctgtcgctga agagccaaac 300 cttagatgca gaaacagatg tgttatgtgc agtcctttac agcaatcaca acagaatggg ccgccacaaa ccccatttgg ccctcaaaca ggttgagcaa tgtttaaagc gtttgaaaaa 360 420 catgaatttg gagggctcaa ttcaagacct gtttgagttg ttttcttcca atgaaaatca gcccttaact accaaagtat gtgttgtccc cagtcagcca gtggtggagt tggtgttgat 480 gaaggttttg ggagcctgca agttgttgct ccgcttgttg gactgctgct gcaaaacttt 540 600 tcttttgact gtgaaacatc taggtttgca agagttcatt attttaaacc ttgtgatggt 660 tgggctggtg agcaggttat gggttctcta taaaggtgtc ttaaaaaggt tgattttgtt 720 atatgageet ttgtttggat tgetteaaga ggtegetagg atteaaceaa tgeettaett 780 caaagatttt acctttcctt ctgatatcac tgaattttta ggacagccat attttgaagc 840 ctttaagaaa aaaatgccta tagcttttgc agctaaagga ataaataaat tgctaaataa 900 actgttttta ataaatgagc agtcaccaag agccagtgaa gaaaccttgc ttggaatttc 960 aaaaaaagct aaacaaatga agatcaatgt acagaataat gtggatcttg gacagccagt 1020 aaagaataag agagtettea aagaagagte ateagaattt gatgtgaggg etttetgeaa 1080 ccagctgaaa cacaaagcta ctcaggagac cagttttgat tttaaatgtt ctcaatccag

actaaagaca	accaagtatt	cttctcagaa	agtgatagga	actcctcatg	ccaaaagttt	1140
tgtgcaaaga	ttccgagagg	ctgagtcctt	cacacaactt	tctgaagaaa	tccagatggc	1200
agttgtatgg	tgcaggagca	aaaaactcaa	ggctcaggcc	atttttctgg	gtaacaaact	1260
tcttaaaagc	aaccggctta	aacatctgga	agctcaaggt	actagtttgc	caaagaaact	1320
agagtgcata	aaaacgtcta	tttgcaacca	ccttcttcgt	ggctcaggta	tcaaaacttc	1380
aaagcatcat	ctgagacaga	gaagatcaca	gaataaattt	ttacggagac	aaaggaaacc	1440
acagagaaag	ttgcagtcga	ctcttttaag	ggaaattcag	cagttctctc	aagggactcg	1500
		gtgctaagtg				1560
		agcagctctt				1620
aactaaggag	aaaatgattc	atgaaaatct	tagaggcatc	catgaaaatg	aaactgattc	1680
		ataaaaacag				1740
		taatgggagt				1800
		cagtgttcta				1860
		ctttagtgca				1920
		tgtcatttca				1980
		aaaaatctgc				2040
		gtctctgaaa				2100
		accattgtgt				2160
		aggtcaattt				2220
		gtagctcctg				2280
		actgcttgta				2340
		ctcatattaa				2400
attttattta	tttgggtacc	agtgattgat	tccaaataaa	cctttttaca	aaaaqqcaat	2460
		atgaaatata				2520
		atacaaagta				2580
		ctgatagggg				2640
		ataatgatgt				2700
		ttattaagct				2760
agatttaaag	aaaaagaaag	tagtacctta	gtatgtaccg	catccttctt	ttcctcagcc	2820
		atttcccttc				2880
		agttatctct				2940
agaatcacct	ggtgggttgc	taaaagatgc	agattagccc	tttcccagag	actgataaac	3000
		tttaacatgg				3060
		ctactttagc				3120
taattcttaa	tctgtagtca	gttttcatat	tcctttaggc	tttctaccaa	gtggtagtat	3180
ccatttagtg	ccttaaaata	cagacaatac	caaggagatt	tcattctaga	caagtctaga	3240
		tgtccttgtg				3300
		gaactggtgt				3360
		gcacccagtc				3420
agctgattca	gaaaaaaact	ccctgggaat	taggagattt	aaggttcagt	cttgcttctc	3480
ctacttgtgg	cttcactgag	ctagtcagtt	tectcagget	taggtttctg	gatttgaagt	3540
		acttttatag				3600
		agtgagttaa				3660
ctagcatttg	tttccaaatt	cattcatgtt	cttttggagt	atcttcatct	cctctcattt	3720
tcccatcttc	tgccctttac	tattctggga	aaatggcaaa	aaagcttcac	atgtgtccac	3780
aaaatgacaa	tttgtatgtt	tataaggaat	tcagtattct	gtatcagtta	ctttttccaa	3840
ataaatccaa	atatttaaca	tttaaaaaaa	tgcaatctaa	agtataccaa	actgtaactt	3900
acctagtaaa	tgagattaga	aactattgtc	agggtcatcg	tantgaatat	-	3950
			_	-		

<210> 7284

<211> 1839

<212> DNA

<213> Homo sapiens

```
<220>
<221> misc_feature
<222> (182)...(1100)
<223> similar to gil200232 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 7284
atggaacgct gtggtatega accgcagttg cagggtcgac ccacgcgtcc gcggacgcgt
                                                                      60
qqqqqqtqc qqaqqtqtqc aqcqcgctqt cagactgqct cqcaqqcqqc qcqqccqqcq
                                                                     120
gacccgttcg agacagcgcg ggcggctcgg gtcccctggg gctccgcagc aggaggacgc
                                                                     180
catggacgac aaggagttaa ttgaatactt taagtctcag atgaaagaag atcctgacat
                                                                     240
ggcetcagca gtggctgcca tccggacgtt gctggagttc ttgaagagag ataaagggga
                                                                     300
gacaatccag ggtctgaggg cgaatctcac cagtgccata gaaaccctgt gtggtgtgga
                                                                     360
ctectetgtg geagtgteet etggegggga getetteete egetteatea gtettgeete
                                                                     420
cctggaatac tccgattact ccaaatgtaa aaagatcatg attgagcggg gagaactttt
                                                                     480
tctcaggaga atatcactgt caagaaacaa aattgcagat ctgtgccata ctttcatcaa
                                                                      540
agatggagcg acaatattga ctcacgccta ctccagagtg gtcctgagag tcctggaagc
                                                                     600
agcegtggcg gccaagaagc gatttagtgt atacgtcaca gagtcacagc ctgatttgtc
                                                                     660
aggtaagaaa atggccaaag ccctctgcca cctcaacgtc cctgtcactg tggtgctaga
                                                                     720
tgctgctgtc ggctacatca tggagaaagc agatcttgtc atagttggtg ctgaaggagt
                                                                     780
tgttgaaaac ggaggaatta ttaacaagat tggaaccaac cagatggctg tgtgtgccaa
                                                                     840
agcacagaac aaacctttct atgtggttgc agaaagtttc aagtttgtcc ggctctttcc
                                                                     900
actaaaccag caagacgtcc cagataagtt taagtataag gcagacactc tcaaggtcgc
                                                                     960
gcagactgga caagacctca aagaggagca tccgtgggtc gactacactg ccccttcctt
                                                                    1020
aatcactctg ctgtttacag acctgggcgt gctgacaccc tcagcagtca gcgatgagct
                                                                    1080
catcaagctc tatctgtaac ctgtgagccc tttcctgcca aggtgcagct tacgtagttg
                                                                    1140
aggcagggtg agtagctgct tgacacccca gtgagtcagg ccaaaactga gatgtgttta
                                                                    1200
atgaagattt atggagtaag gacttaaaat catacatctt ggagaacctt tcttactcat
                                                                    1260
ttcagtccca tctaaaaatg tgtcagctat tctaaatccc aacttaaatt qttcttacqq
                                                                    1320
tttctagaaa ctttcctttt cagtttccag aaatacaagt tagataattg gctacttaac
                                                                    1380
tgatgaaaga tgagcccaag tccacctgtc ttcatcctcc cctgcactcc agactgatct
                                                                    1440
gectaaagea egegagatge aggegaaaag eagecacace eetetgecae aaatgaceaa
                                                                    1500
cagctggtca ggacgttaca cgcggtgcct tgtaagaggc aagaaacact tgccgaatct
                                                                    1560
gcatctggct tccagtggta agcacattcc tcagcaggat caagccaaac agtaaaaact
                                                                    1620
accaagagaa cacgaggaag gcagaaacga tgtttagcaa cagtattctg catggttcac
                                                                    1680
tgcttaagaa aatgccttct ggaatatttg taaactgaaa ttctgtatgt gtaagagatg
                                                                    1740
tttaaatatg tttgggtcct aaacagcttt ttaaaattat acttgggaat aaattcagca
                                                                    1800
tcttttcaaa taaactctat gaaagacgca aaaaaaaaa
                                                                    1839
```

```
<210> 7285
<211> 2006
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(659)
<223> similar to gi4416183 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters
```

```
<400> 7285
                                                                       60
cagtggaacg cgagcaggag attgaccgct ggagggtgaa gtgtgtgcag gaggtggggg
agaagaagcg ggagcaggaa ctcaaagcag ccgctgatgg cgtactatct gaagtgagga
                                                                      120
aaaaacaagc agataccaaa agaatggtgg acattctacg ggctttggag aaattgagga
                                                                      180
aactgaggaa agaggctgca gcgaggaaag gggtctgtcc tccagcctca gcagatgaga
                                                                      240
                                                                      300
cttttacgca tcatcttcag cgactgagaa aactcattaa aaagcgctct gaactgtatg
                                                                      360
aagctgaaga gagagccctc agagttatgc tagaaggaga acaagaggaa gagaggaaaa
                                                                      420
gagaattaga aaagaaacaa agaaaagaaa aagagaaaat tttacttcag aaacgtgaaa
ttgagtccaa gttgtttggg gatccagatg agttcccact tgctcacctc ttggagcctt
                                                                      480
teegacagta ttateteeaa geegageact eeetgeeage geteateeag ateaggeatg
                                                                      540
attgggatca gtacctggtg ccatccgatc atcccaaagg caacttcgtt ccccaaggat
                                                                      600
gggtccttcc cccgctcccc agcaacgaca tctgggcaac tgctgttaag ctgcattagt
                                                                      660
                                                                      720
aaagatgctc caggagtgtg gtccagccag cgctctttcc agctgtaaat attagcgatg
qtqccatctt ttqctqtaqa ctaaactqca acttctaaat tccatqtqqc attcccctac
                                                                      780
cctgaattta tgctttcctt ctgtgctctg tgctggccag aggtgcctct tgaatcaaat
                                                                      840
taatgtggtt tttcaggaaa ggacttaggt gaactgaggt ttttaccaca ggcagtgaat
                                                                      900
gaccttggtt caccaaattt gcctctgttt tgaggggctt ggtccagagt gacttgttaa
                                                                      960
tttactctaa cttccttgtg tgttgatggg taagtacact caaacactga atacaggtgt
                                                                     1020
gtgatgggta gatttcacag cccttctact aatagtgagt gtgaaggcaa gcttgatgca
                                                                     1080
aaacctcctg acctttccta cctgaagagc cctttgactt ctaggaagaa aggtcaaaaa
                                                                     1140
tgttatcttc agttgtgtta atcccagttt tagtgcagct taggaggctg ctagttagga
                                                                     1200
agataacagt ggctgtaggc tgggttgcca gaaaagatgg tggcctagtc ttattattca
                                                                     1260
gatggagaac ttagaaaacc tgaagagtac ccaaattgga ttgtatttta atggacaatg
                                                                     1320
gctgtatttt ttccatgtta gaaggatcct aatgaaagca cctgttattt ttaagtttct
                                                                     1380
aagggtctag ttgttcagaa tccccaagga tatttcccta acctcactca gtcacattgt
                                                                     1440
aggagccagt gtagctatgg aattatctta ggaactcaag cttctaaaac tatccatgta
                                                                     1500
gtcaaatcta ggggaaaaag caaataaaaa tagtaaaatt tggccgggca cagtggctca
                                                                     1560
egectgtaat eccaacactt tgggaggeeg aggegggeeg ateaegaggt caggagatea
                                                                     1620
aggccatcct ggctaacacg gtgaaaccct gtctctacta aaaatacaaa aaaatattag
                                                                     1680
ctgggcgtag gtggtgcaca cctgtagtcc cagctactgg ggaggctgag gcaggagaat
                                                                     1740
ggtgtaaaac ccaggaggca gagcttgcag tgagccgaga tcgcgccacg gcactccagc
                                                                     1800
ctgggagaca gagcaagact ccgtctcaaa aaaaaaaaa gtaaaattta tttttatat
                                                                     1860
tcattaataa atgctgttgt gcttggagat gatcactcat ataacatgtc atttttttgg
                                                                     1920
ttctgttttg gtttggtttt tgccaattat tttgttatat ttccaaaaaa ctaaataaaa
                                                                     1980
atcattttta ttttttaaaa aaaaaa
                                                                     2006
```

```
<210> 7286
<211> 2128
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (464)...(1314)
<223> similar to gi4929631 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7286
tcataattta ggggtttctg tcttttaaat gctatccatt gagggcccga atggaacaaa
                                                                       60
acagagagac aggagttege etcettttgt ttttetgeet eaetgttgag etgggtgate
                                                                      120
tcatctcatc tttttttgcc cttggactgg gacttagccc cattggcccc ctggttctca
                                                                      180
ggccttcagc ctgagttaca ccaccagctt tcttgggtct cagtttgcaa atggcagatc
                                                                      240
gtgggacttc gcaaacacca tcatcttgta agcccattcc tcctaatctt cttttatata
                                                                      300
cacaccaatt ggttctgttt ctctggaaaa cctgattaat agacctgagg aatgaaactg
                                                                      360
taacctetca gtgggttett ettgeetgag eetggegtee gtgtggetgg egeggaggat
                                                                      420
gtggacgctg cggagcccgc tcacccgctc cctgtacgtg aacatgacta gcggcccggq
                                                                      480
tgggccggcg gcggccgcgg gcggcaggaa ggagaaccac cagtggtatg tgtgcaacaq
                                                                      540
agagaaatta tgcgaatcac tccaggctgt ctttgttcag agttaccttg atcaaqqaac
                                                                      600
acagatette ttaaacaaca geattgagaa ategggetgg etatttatee aattatatea
                                                                      660
ttettttgtg teatetgttt ttageetgtt tatgtetaga acatetatea atgggttget
                                                                      720
aggaagaggc tcaatgtttg tgttttcacc agatcagttt cagagactgc ttaaaattaa
                                                                      780
tccagactgg aaaacccaca gacttcttga tttaggtgct ggagatggag aaqtcacaaa
                                                                      840
aatcatgagc cctcattttg aagaaatcta tgccactgag ctttctgaaa ctatgatatg
                                                                      900
gcagcttcag aaaaagaaat acagagtcct tggtataaat gaatggcaga atacggggtt
                                                                      960
ccagtatgat gtcatcagct gcctgaactt gctggaccgc tgtgatcagc ccctgacttt
                                                                     1020
gttaaaagat atcagaagtg tcttggagcc aactagaggc agggtcatcc ttgcccttqt
                                                                     1080
cctcccttt catccctatg tggaaaacgt aggtggcaag tgggagaaac catcagaaat
                                                                     1140
tttggaaatc aaaggacaga actgggaaga acaagtgaat agtctgcctg aagttttcag
                                                                     1200
aaaagctggt tttgttatcg aagctttcac cagactacca tacctgtgtg aaggcgacat
                                                                     1260
gtataatgac tactacgttc tggatgacgc tqtctttgtt ctcaaaccag tataaacacg
                                                                     1320
tggaggtcga agtcttcaga gtccgcaccc tccgggatgt gcccttggaa gagggtctgt
                                                                     1380
gttcacaatt acgtgaaggg aggacccttg gggaccgcca ttctaaatat catgtaggaa
                                                                     1440
tttaaaaagc caaaatacta attatttctt tgtagtgtgt aaaggaatgt ttttaaaaga
                                                                     1500
caaaaaccca actettigtg gattittate aactetitae teagagecae tetecaatge
                                                                     1560
aggtcacact ccaattatga tggaagatat tttttatact taattgcagt agggactcat
                                                                     1620
tcccagacaa agcaatagtc acgacttcat ggaaccaatc aatggattgt tttttgaaga
                                                                     1680
ctggcaataa agctgtccat tcaattccaa atactggttt taaggtatag ccactgatat
                                                                     1740
tctttcatgt ttagaaattc tttctgttat tattcaagaa aatgttttta atcatgctaa
                                                                     1800
taaacttttt tggagatgac tttggcatca tgtttgaatt catataaagc tcccctagca
                                                                     1860
ttttttattg gtttggcttc aggagtaccc aaatagtagc attatgagaa tqacqcaqac
                                                                     1920
aatttgaata ggggggaagg aaggcttcag acttggggga aggggagatt attgcaaatt
                                                                     1980
gcagtgaaca ctgagtcagt aaaaaaaaa aacagaaaca agatcaccca gcatccttcc
                                                                     2040
ccaccccage tgtgtattta tatagaggga aatatacttt atattttgta tcatcgggcc
                                                                     2100
tatagccgct gccaccgtgt ataaatct
                                                                     2128
```

```
<210> 7287
<211> 2503
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (250)...(1307)
<223> similar to gil628559 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7287
acccaccgca cctacagggc ggtcgagtga gggagctgct ggcgggtggg tctggcaact
                                                                       60
etttgggagg cegacgeggg cggaccggcg ggtgetggga accgagecte ggettgegge
                                                                      120
cggcagtttc cgtgggtctg tgaagaggtc ggcggcccct gcgggcgcca gtcagcttta
                                                                      180
agaaaaagta gagatcactt ctgactgtac tgaacagcaa aaattaagtg acttqctqcc
                                                                      240
ctgcacatca tggcactgcc attccgtaag gacttagaaa agtacaaaga ccttgatgaa
                                                                      300
gatgagetee ttgggaatet gteagaaaca gaactgaaac aactggaaac tgttttggat
                                                                      360
gatettgace eegagaatge cettetgeet geagggttee ggeagaagaa ceaqacatea
                                                                      420
aagtccacca cagggccatt tgatagagag catctccttt catatctgqa qaaaqaaqca
                                                                      480
ttggagcata aagacaggga agactatgtg ccctacactg gagaaaaaaa agggaaaata
                                                                      540
tttatcccca aacagaaacc tgtacagact tttacagaag aaaaagtgtc tcttgatcca
                                                                      600
gaattagaag aagetttgae aagtgettet gatacagaat tgtgtgaeet egeageaatt
                                                                      660
cttgggatgc acaatttgat aacgaataca aagttctgta atataatggg aagtagtaat
                                                                      720
ggtgttgacc aagaacattt ttcaaatgtg gtcaaaggtg aaaagattct tccggtattt
                                                                      780
gatgagccac caaatccaac caatgtagaa gagagtttga agagaactaa agaaaacgat
                                                                      840
gctcatcttg ttgaagttaa tttgaataat ataaagaata tcccaattcc aaccctaaaa
                                                                      900
gattttgcaa aggetttgga aaccaacaca catgtgaaat gtttcagtet tgcagecace
                                                                      960
cggagcaatg accetgttgc tactgetttt gcagaaatgc tgaaagtgaa caaaactttg
                                                                     1020
aagagcttaa atgtggagtc caactttatc acgggagttg ggattctggc actgattgat
                                                                     1080
gcgttaagag ataatgaaac cctggcagag ctcaagattg acaatcagag gcagcagttg
                                                                     1140
gggacagctg tagaattgga aatggccaag atgcttgagg aaaatacaaa tatccttaaa
                                                                     1200
tttggatatc agtttacaca gcagggacca cgaaccagag cagctaatgc tataacaaaa
                                                                     1260
aacaatgact tagtgcgtaa gagacgagtt gaaggagatc accagtaagt ctgcaaaggt
                                                                     1320
gtaatetttg gaagaettea gaagateaee aagggeteat gttggtgaea teatgtaaaa
                                                                     1380
ttttcctggg tagaagggaa aagactggaa aaatttttt agtgacatgc attttttt
                                                                     1440
tagttgttat caaattgtaa aatcagtaat gtgatatttt atattctgaa acatttctac
                                                                     1500
tttctgctaa aatccaattt taatttaggt ttaattggaa tggatttatg gatgaatctt
                                                                     1560
gggcaaaaaa atccaactgt aaaaaatttc acaggtcatt tgtgtagaat aatttgaaca
                                                                     1620
ttgtgaggac caatcttttt taaatcaaaa gggatgttgc tggtatcaga attgatattg
                                                                     1680
cttcatttac acataaaaca cttaagtgtt ttcttcactc cgtgacctgg agagttttcc
                                                                     1740
attttttaaa atacatgaac ttggcaaggg tgtgattttt ctttatcaag agaacaaaat
                                                                     1800
gccagaatgt taaaacagtt aactcaaaat ctagtcatct gtgtaggagc taaagcaggt
                                                                    1860
ctccagggag agagggtggt cgtctgtgca ttccaggtta ctgcacttgt ctgatgtgac
                                                                    1920
gtagcaacac ccacgtcttc ttaaaacaaa gtcatcagct ttgccaggtt acatacttta
                                                                    1980
tttaaaagta tagtgaggtc gaagttcatt ccagtgtttc attttaataa tgtgggcatt
                                                                    2040
attaaatttt tgtggaagct aatagtaaaa aataaaagct gttttcacca cctccctccc
                                                                    2100
cacccccaa aaaaggcgta cagccaactc ttagttattt agggtaagag aaaaaagaaa
                                                                    2160
actgttaaac aatgaaatca aagataataa atatgataga tttccagtat gaggcacttt
                                                                    2220
gcaaaacagt catttaaact gatggttact gtaagtcagt tggaagctgg catgtatgta
                                                                    2280
aaatttactt gggtgttaca ccatatccgg aagaagttcc tatgtggcag tggcaggaat
                                                                    2340
tgcattaaac agtatttcaa tcactgctac aaatcttcca accaagaagg gaaaactgct
                                                                    2400
attetteata aatetaattt ttagtatatg etteetttea tettataett ttateaatat
                                                                    2460
ttataaaagt catttctata ataaaagcag tctttcttgc tca
                                                                    2503
```

```
<210> 7288
<211> 1458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (435)...(870)
<223> similar to gi798961 in the genepept database release 114,
```

Run with FASTXY 3.3t00, default parameters

```
<400> 7288
totgaggogc gtgcqqcqqc caccccaqcc taqtqctctt cttqqtqcca ctqqctaact
                                                                      60
aggttgagaa accggcgcca caggcggcag cacctggccc gqaqctqqcc cqctcctccc
                                                                      120
cgccgagccg gcgccccaac aacgcgccct ctcccagtcc tcacaaaggg gcctagtccg
                                                                      180
geceeegget etggeegtga gggagegetg tgggggegeg etgeetttet geetggaaaq
                                                                      240
tgttggcagg gtggtgggag aagcgtcagg cttgaacaac atgattttaa agcacgtgtc
                                                                      300
tgtctgtcgt tttttacttt tagggttttg gccaaattgg gcgagggcac aaaataacca
                                                                      360
cttacccctt ctcaccgagg aagagcggga gaaagggtat ggcacagtca caagggtggg
                                                                      420
tgaaaagata catcaaggcc ttttgtaaag gcttctttgt ggcggtgcct gtggcagtga
                                                                      480
ctttcttgga tcgggtcgcc tgtgtggcaa gagtagaagg agcatcgatg cagccttctt
                                                                      540
tgaatcctgg ggggagccag tcatctgatg tggtgctttt gaaccactgg aaagtgagga
                                                                      600
attttgaagt acaccgtggt gacattgtat cattggtgtc tcctaaaaac ccagaacaga
                                                                      660
agatcattaa gagagtgatt gctcttgaag gagatattgt cagaaccata ggacacaaaa
                                                                      720
accggtatgt caaagtcccc cgtggtcaca tctgggttga aggtgatcat catggacaca
                                                                      780
gttttgacag taattetttt gggeeggttt ceetaggaet tetgeatgee eatgeeacae
                                                                      840
atateetgtg geeceeagag egetggeaga aattggaate tgttetteet eeagageget
                                                                     900
taccagtaca gagagaagag gaatgactgc atgaatctac ctgagttgct ggcattggga
                                                                     960
ggccagttac tggaaaggaa tggaaaaaag aagcctccaa aagggaaaaa cttctgacaa
                                                                    1020
tatgatgctg tgcgagaaat atttacagca cattaagacg atctgtatta ttaaataaat
                                                                    1080
aattttcaaa tgttaaacag tattaaatgg cacctgattt tgtgttaaat tttagttccc
                                                                    1140
tgttgtttaa tgcccccaaa atatgcagac ctttgggaat ataaaaatat tqcacccaca
                                                                    1200
tgtcttaatg gggctgaatt tcagattatt tgttacatat acttattata ttgattgttg
                                                                    1260
ggttttgatt ttggtgcttg ctgctgaaat aaattgaaaa ttaatattca ataaaaatga
                                                                    1320
tgtatttgtc acttgctgtt aaggtagaac aagaaggaac acatattata cacataatga
                                                                    1380
tgggaattac attgtgattt gtactatcta caaaggagta actgccagtt aggaagaaca
                                                                    1440
gtaaacagtq atqttaaa
                                                                    1458
```

```
<210> 7289
<211> 3651
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (403)...(754)
<223> similar to gi5262651 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7289

cgggagcaag tgtgaatcat tgccggggct gggaaaggag gaaggcgcat ttaacccct 60

cccacccctc tccatgtccg tgtgtcactc ggctcggtcc acctggcgcg gccggtcctg
gggctgctgc tgctgttgac gacgacgacg acgacggggg ctgcctctgc tgtcccggga 180
gtttcctcct gctccggcca cacagctcct ggggattgtt cctcttcgaa ccagaacctc 240
ggcctgaccg gcactttggc tccaaaataa ctttattttt gggggagaaa gcacatcacg 300
aaccagtcaa aatcgtggtt tatttctgta acgtgaagac ttctgctctt ttttctttgt 360
```

```
ttgttttttt cgtaaacatc tgggtgtata tcaaacggca agatgtccag taatgtcccg
                                                                      420
gcggatatga taaatttgcg cctcattttg gtaagcggaa aaacaaaaga gttcctgttt
                                                                      480
tetectaacg attetgette tgacattgea aageatgtat atgacaattg gecaatggae
                                                                      540
tgggaagaag agcaggtcag cagtccaaat attctacgac ttatttatca aggacgattt
                                                                      600
ctacatggaa atgtcacatt aggagcatta aaacttcctt ttggcaaaac aacagtgatg
                                                                      660
catttggtgg ccagagagac attaccagag ccaaactctc aaggtcagag gaatcgtgag
                                                                      720
aagactggag agagtaattg ttgtgtaatc ctgtaaacac tgtctgccta gtgtgatgtg
                                                                      780
atatagtett tgtettteat getgetggga cagaaaagae eegacattge tteagaaace
                                                                      840
gttcagaaca gtctgcctgt aaacacatgg aactgaatta ccacatgaac actgtcatct
                                                                      900
tttctcatga aagtaaaaag aaccaagaac atttttcact ctgatttttt atttcttgga
                                                                      960
ttttttggtg agctgtttta acacatattg gtttttgaat gcagtcaatc tccaggggaa
                                                                     1020
aagttaacaa gttatctttc gtagcagaaa ccattttgct gccacaaaat tttcatcatc
                                                                     1080
agaactaata aatcaagtgt tccaaataca atttgcacta aaaagattgg cattattttc
                                                                     1140
ctcatcagca gaatttataa cagtgtgtgg tatctagaaa tacttatata tacaattcca
                                                                     1200
cactggaaga cactcagcaa ttaatgaagt taattactgg gccaacttga gaggaaaaaa
                                                                     1260
tggaaaagaa actaaaatgt tgggtgaatt ctaccaaagt cagccgtggt ggctgcactg
                                                                     1320
gcacagaata ctaaactgag tgtgactatt ttcactgcaa caaatgaaaa aacaaaatgt
                                                                     1380
gcctgtttaa agcactcagt agagggctga tgaaactaat tttttttcct ttaagacatg
                                                                     1440
cactettgag teetacagta actgagtgtt tgtttagaca geacaagaag gggtgagagt
                                                                     1500
gegtetecta geettaatgt gggagggtag tttcagteac teateggett teattattqt
                                                                     1560
gcagaaatat tagaaaacct cattgatcaa ttttatgtat ttgaatatca gcaaattgaa
                                                                     1620
attttccata attatcatta atttgtaacc acatccagtg tcatgcttac tccttagagt
                                                                     1680
tcagatgaat tcttaaaatt aaaaaaaaac tccatagtac taattttgtt tctttatata
                                                                     1740
gtttgcgttt gatattagtg cttgcaattg tattaaagtc aaaagctgat ttttatggca
                                                                     1800
tacacaagaa tgccactttt tcttttattt cataccaata atttaaagat tgatatgcta
                                                                     1860
aaaacaattt gcacagcact aaagcatgag ctactttcat ctaaacctgt aaaaatatga
                                                                     1920
aagattttta tattttttca ctgggaagaa attcttcctg gatgaaatta caaatatgtg
                                                                     1980
tagaatatat ttaataaaag acttataaaa tacctaacta caggacttaa aatatagatt
                                                                     2040
ggcgcgtagt atatagaaca atattccata taaataagtt tagcctttat aaaaatgaag
                                                                     2100
ttgcaggctg acattacatt ctgtacttac taagtgtcaa cagcccttac aaacattaaa
                                                                     2160
tgtaaatggt ttcaaatggt cagcgttgtt taaatgtaat catgttattt tattcattgt
                                                                     2220
taatgctttg atgaaaaggc tttatatgca gtagatctac gaaaatattg ttcatactga
                                                                     2280
tcagaattaa atttgtatag agcagagttt taaaatgaat gtaaatagca ctaaacgttt
                                                                     2340
tctttctgca acctgtactt acagattctt cctgtaaact aaataaaaaa aaaatgatag
                                                                     2400
tgcattttgg gggtaatttt aaaggtcttg attaggtcaa taattgttta agcaccgtct
                                                                     2460
cattcatgtt ttctactttc atttcttaag cttttaaaat tcatttaatt aatattctgt
                                                                     2520
tgttgttttg gggagtattc ccaatgtatc tttgatattt aacctggtta atttgtggac
                                                                     2580
agtcacaaca atggatagaa ttatgtagtc tccgttatca ctaaaatgtt atcttcaaga
                                                                     2640
gatgttaaat atttatatgc tttgttgact agctgaaatg tgaattctgt tagtgttgac
                                                                     2700
taaagaatct ggtagttgct taattgggca attaaacaat ttatggctct attttgtaaa
                                                                     2760
acaaactact ggtaattatt tttaatacct attttcattc tgattactct ttttttaagt
                                                                     2820
taaagactat cagttaatta agattgagtt tttatgatgg ttaaaaataa ttctctattg
                                                                     2880
gtttttcaat atattttct gtgtgttctc agattatata tttccctcaa tttagagttt
                                                                     2940
gctaagtgaa ataaactggt tcactagtag agaaagaatt acgtcgctta atacctaata
                                                                     3000
tccatagttg tacaatatga aaaaaaagaa taaaaagtag cagtaaaatt atatactgaa
                                                                     3060
aacaccaaaa atttagatgc cttaatagta tatacgtgaa atactcagct gtccctttaa
                                                                     3120
aaataattcc ttggactgcc tggtggttaa aatacgattc ctcatatcca aggctacttt
                                                                     3180
tgaagatccc tctgccaaaa atatagctca cttatctaaa ggtgagagct gcatagatcc
                                                                     3240
agtaatgtac ataaagcctg aatgatgagc ctatgtccct gcctaacgct ggtgtctcac
                                                                     3300
tcatctcttt tacctaaatt gtcctgaact ttgttaagtg ttctggacaa ggccaagctt
                                                                     3360
ttctttatta aaacctcagc atgtctccct gatctgaact atttgctttc tcttcaagat
                                                                     3420
aagttgtatt ttaccatgga aaaatacagt atctaacatt accattcacg ttaaatgaag
                                                                     3480
tttcctcgat aacgatttat ctttagtttt atgaagtcat cgtgaccaat gttacagtaa
                                                                     3540
tttctggtta gctgattgtg ggtaaacaat gtttaatgtg aaaagaaatt aaaactttct
                                                                     3600
tcatctgttg tagaatattt ctcttcttta aaatggcttc tattcataaa a
                                                                     3651
```

```
<210> 7290
<211> 2668
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (94)...(1775)
<223> similar to gi666043 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7290 atcgttcgac ccacgcgtcc ggttgctctt ggtggacggg cccagaggaa ttcagagtta 60 aaccttgagt gcctgcgtcc gtgagaattc agcatggaat gtctctacta tttcctggga 120 180 tttctgctcc tggctgcaag attgccactt gatgccgcca aacgatttca tgatgtgctg ggcaatgaaa gaccttctgc ttacatgagg gagcacaatc aattaaatgg ctggtcttct 240 gatgaaaatg actggaatga aaaactctac ccagtgtgga agcggggaga catgaggtgg 300 aaaaactcct ggaagggagg ccgtgtgcag gcggtcctga ccagtgactc accagccctc 360 gtgggctcaa atataacatt tgcggtgaac ctgatattcc ctagatgcca aaaggaagat 420 gccaatggca acatagtcta tgagaagaac tgcagaaatg aggctggttt atctgctgat 480 ccgtatgttt acaactggac agcatggtca gaggacagtg acggggaaaa tggcaccggc 540 caaagccatc ataacgtctt ccctgatggg aaaccttttc ctcaccaccc cggatggaga 600 agatggaatt tcatctacgt cttccacaca cttggtcagt atttccagaa attgggacga 660 tgttcagtga gagtttctgt gaacacagcc aatgtgacac ttgggcctca actcatggaa 720 gtgactgtct acagaagaca tggacgggca tatgttccca tcgcacaagt gaaagatgtg 780 tacgtggtaa cagatcagat tcctgtgttt gtgactatgt tccagaagaa cgatcgaaat 840 tcatccgacg aaaccttcct caaagatctc cccattatgt ttgatgtcct gattcatgat 900 cctagccact tcctcaatta ttctaccatt aactacaagt ggagcttcgg ggataatact 960 ggcctgtttg tttccaccaa tcatactgtg aatcacacgt atgtgctcaa tggaaccttc 1020 ageettaace teactgtgaa agetgeagea eeaggaeett gteegeeace teeaceaeea 1080 cccagacett taaaacecae ccettettta ggacetgetg gtgacaacec cetggagetg 1140 agtaggatto otgatgaaaa otgocagatt aacagatatg gocactttca agccaccato 1200 acaattgtag agggaatctt agaggttaac atcatccaga tgacagacgt cctgatgccg 1260 gtgccatggc ctgaaagctc cctaatagac tttgtcgtga cctgccaagg gagcattccc 1320 acggaggtct gtaccatcat ttctgacccc acctgcgaga tcacccagaa cacagtctgc 1380 agccctgtgg atgtggatga gatgtgtctg ctgactgtga gacgaacctt caatgggtct 1440 gggacgtact gtgtgaacct caccetgggg gatgacacaa gcetggetet cacgagcace 1500 ctgatttctg ttcctgacag agacccagcc tcgcctttaa ggatggcaaa cagtgccctg 1560 atctccgttg gctgcttggc catatttgtc actgtgatct ccctcttggt gtacaaaaaa 1620 cacaaggaat acaacccaat agaaaatagt cctgggaatg tggtcagaag caaaggcctg 1680 agtgtctttc tcaaccgtgc aaaagccgtg ttcttcccgg gaaaccagga aaaggatccg 1740 ctactcaaaa accaagaatt taaaggagtt tcttaaattt cgaccttgtt tctgaagctc 1800 actiticagt gccattgatg tgagatgtgc tggagtggct attaaccttt ttttcctaaa 1860 gattattgtt aaatagatat tgtggtttgg ggaagttgaa ttttttatag gttaaatgtc 1920 attttagaga tggggagagg gattatactg caggcagctt cagccatgtt gtgaaactga 1980 taaaagcaac ttagcaaggc ttcttttcat tattttttat gtttcactta taaagtctta 2040 ggtaactagt aggatagaaa cactgtgtcc cgagagtaag gagagaagct actattgatt 2100 agagectaac ccaggttaac tgcaagaaga ggcgggatac tttcagettt ccatgtaact 2160 gtatgcataa agccaatgta gtccagtttc taagatcatg ttccaagcta actgaatccc 2220 actteaatac acacteatga actcetgatg gaacaataac aggeecaage etgtggtatg 2280 atgtgcacac ttgctagact cagaaaaaat actactctca taaatgggtg ggagtatttt 2340

```
ggtgacaacc tactttgctt ggctgagtga aggaatgata ttcatatatt catttattcc 2400 atggacattt agttagtgct ttttatatac caggcatgat gctgagtgac actcttgtgt 2460 atatttccaa attttgtac agtcgctgca catatttgaa atcatatatt aagactttcc 2520 aaagatgagg tccctggttt ttcatggcaa cttgatcagt aaggatttca cctctgtttg 2580 taactaaaac catctactat atgttagaca tgacattctt tttctctcct tcctgaaaaa 2640 taaagtgtgg gaagagccaa aaaaaaaa
```

```
<210> 7291
<211> 2166
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1886)...(1310)
<223> similar to gi3874664 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 7291 tttgctctaa aatatatctt gtttttattt tgatagtttt atatgcattt ataaaattat 60 tcaggtaatt tataaataaa tcgtcctagg ttatttaaaa tatgccattc gtatctaaaa 120 caggcagatc gtttctatat caaattaatt agttgctatt gtcagtttta agaataattt 180 ctcaatttat ctaagatgcc taacactgcc accatgatgt gtagtcagga tacttaataa 240 taccttttgt aaaagttagc atttatctta caccagctct ctttttagat agagaacata 300 tataagaaat gagtaagtog ataagcoaca tttaaccato actagtgatt gttcaatgga 360 aacatataaa ctcaatgtaa acttgaagtt aattccattt aatttacagc ttattttata 420 atagtatttt attaaggaat taatttacat atagtaaaat cacaaatcta aacatacaqc 480 atgaggaatg ttgacaaata tatgcagcta cataaccatc atccagatca aaatacaaaa 540 ccatttcaat cacccagaa aatttcctca ggcccctttt ccattcaatt tgaattccct 600 gccctcactc taagcagcca ctgttctggt atctatcatc aaatattagt tttgcctgga 660 720 cttaatgttt ttgagattca taccaggttg ttgcatgtat caagcagtcc ttttttaaa 780 tgaccagtat tccactgact atattgtagg tttgtctatc cattttccta tggatgggaa 840 atttccactg tttacaattt tgtgctatta tgaataaagc tgctatgagc agtcattttt 900 ctggggtata tatctaggaa tgaaatggtt gaatcacaag gtagtgcaag acagtcctct 960 aggtggcctt ggacaacctc aattgttccc cctttttcac ttgtagtttt caagaataac 1020 tgtactgtgt gctgggaatg caacatcctg gactaagtga ctctgagaaa cattgtgact 1080 ttacagatga aatcatctac aaagaatcat atattttctt gttaatcata tacaatttgc 1140 cacagatact atattttcag tgacttctat gaagatattt gttgttgaaa tgtatgcatg 1200 acatcttaaa aaattgatat ttattttttg tttatcttaa aaggtataga ggaaaaaatg 1260 atcggtatgg ttatctatta ctcctatata tcacatttct ctattagcca caggtctgat 1320 teeggttgtt teeactette teeaageagt gtgttaaaat tgaaagaett gaagtattet 1380 aggcaatgga aatcaggttt ttgtccttgc tgcagttcat gctgaggtac agggtaaaga 1440 gcttcataac ttcgtttatc ttttgatcca tgaattgcaa atgaattgaa ttttgtcaca 1500 tttggtggaa aataactcca agggagataa gctttgcctt cccattttqt ctctcctctq 1560 gacactetga acgataaagg aagttettgt ttecacacat ttettettee agaaagtaaa 1620 agcactaaat gctgtccgtg gggacaaagt tcaacttcta aatattgctc agttatatca 1680 ttcaagaaaa atgcttccac aacttcataa tcccacagtt cattgaaagg ttttcctggt 1740 tctccaagtg gggctggagg atccctgaaa aatggagcac taatgtccat catcactcct 1800 ctgtcacctg gattcagcct gataaatacg ggctcatgct tcactggaaa accatcccaa 1860

```
gtgtgttcaa ttttaaaatc catctgaagt ctcttcttga gatgaccaaa tccaaaccta 1920 gaactcctcc agaggtacag ccttggtggg agattctgaa gacgccagtc tggcttctat 1980 ccctagccgc aggaacctgc atctttact tagtccagaa aggcttagta tattagtaac 2040 ccaaagatag tgagggcatt taaactgtgt atttcattct ctactcacgt ttgcattttg 2100 gttttttgtt tgtttgtttg tttgtttaa agaggttggg cctcactacc tggagacact 2160 gtcccc
```

```
<210> 7292
<211> 984
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(985)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (124)...(451)
<223> similar to gi5106998 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7292
gtcgtgaggc gggccttcgg gctgngctcg ccgtcggctg ccggggggtt ggcctgggtg
                                                                       60
tcattggctc tgggaagcgg cagcagaggc agggaccact cggggtctgg tgtcggcaca
                                                                      120
gccatggcgg gcgcgttggt gcggaaagcg gcggactatg tccgaagcaa ggatttccgg
                                                                      180
gactacetea tgagtaegea ettetgggge ceagtageea aetggggtet teceattget
                                                                      240
gccatcaatg atatgaaaaa gtctccagag attatcagtg ggcggatgac atttgccctc
                                                                      300
tgttgctatt ctttgacatt catgagattt gcctacaagg tacagcctcg gaactggctt
                                                                      360
ctgtttgcat gccacgcaac aaatgaagta gcccagctca tccagggagg gcggcttatc
                                                                      420
aaacacgaga tgactaaaac ggcatctgca taacaatgga aaaggaagaa caaggtcttg
                                                                      480
aagggacagc attgccagct gctgctgagt cacagatttc attataaata gcctccctaa
                                                                      540
ggaaaataca ctgaatgcta tttttactaa ccattctatt tttatagaaa tagctgagag
                                                                      600
tttctaaacc aactctctgc tgccttacaa gtattaaata ttttacttct ttccataaag
                                                                      660
agtagctcaa aatatgcaat taatttaata ctttctgatg atggttttat ctgcagtaat
                                                                      720
atgtatatca totattagaa tttacttaat gaaaaactga agagaacaaa atttgtaacc
                                                                      780
actagcactt aagtactcct gattcttaac attgtcttta atgaccacaa gacaaccaac
                                                                     840
agctggccac gtacttaaaa ttttgtcccc actgtttaaa aatgttacct gtgtatttcc
                                                                      900
atgcagtgta tatattgaga tgctgtaact taatggcaat aaatgattta aatatttgtt
                                                                     960
aaatgagtat gattaaaaaa aaaa
                                                                     984
```

```
<210> 7293
<211> 2925
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> (2787)...(2229)
<223> similar to gi3881189 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7293 ttttttttt ttgatattt aaaagtttat ttctatttta actagcccac agaccccatt 60 ctttgagggc tgatctgatt tctgacaaat ggtctataga ccctcctctc ggaaacttac 120 180 tatccccttc caaaaaagtc tgcaccttcc atcatgatgc acattttaag ttaaaattgc ccaataccac cccttaaaat gcaagtttat tgaataaagc tgagaagagc agtaaacaga 240 caaaaaatgc atccacctaa ataaaaaaat tcacatattt acatagttca gtaactgtta 300 aaagttttca catgcagagg ttaatgcaca ggaaaatgtt ggtaatagcg tctggatgtc 360 ttgaaatgcg gaaagcaatg tatagacaca caaacacatt aaggtttagc tataggtcaa 420 ttaacaaacc tatgcagtcc ccacagagtc acacattcta gttccaattc ctccttttag 480 gcacaagcaa gttgccacat tctttgtaat ggttcacact gaccattaat ggtgttgaac 540 aacagtagca agtttaaata tcccttcatt tacagaacca tccatcccac cagggtagta 600 tgcaacatgc ttcaaagaat aagaagagaa atttaaaagc ccagattcta ctcataaaaa 660 tatgaatgga gaaaagcaag tagtgtctgt gcaacacagt gcagtatatt gtacagaata 720 tttttaaggc catggcagtc tataaattaa aactgatatt cattaaaaga acttactgtt 780 840 gactacactc tgagtgctca acacatttgg aaatgcagtc tacataagtg ctgcttaaca aaagaaacaa aatcacacac agtgtgaggc aacacataag caggtgtacc atagagtttt 900 atctactaca gtggtctata tgaataataa tttacaaatg aaccagtatt aatatgtccc 960 tttatgtata cggaagtcgc taaactacaa aacatgtcca tttgaagttt ttagacatct 1020 ctgtatcata gaagcaaaca aacagcatca gttcctcagt tctctgtgtg actgattatt 1080 aaacaacctg tagacattga gcatgattac attagataaa gcaggcaggt ctagagttgt 1140 cacaataatc aagatgtcta atggcaccag tcaaaagagt gccaaagctt acatcagtaa 1200 gagagaaaaa taaaaatttt ttatttgttt ataagtatct tttgtgctga aagtcaactt 1260 tatgactgga tataaaaagt caggagttaa gagtgtcatg cagcagcact gatttaatga 1320 ctggagatag aacaaacaga tgtttgaaca aagactgaca ttcttaacag gttttattat 1380 attgggtgga atgctctaaa ttcatgaacg cttttggaaa atcttcaatt ctcaacccct 1440 taaaaaagta teetgaacca ggaagaaaaa acaagagaca gaaataatga tetggacaga 1500 tacaaaacag gatgetttag tteeteecat ateceaactg ceatetggtg atagagttet 1560 cagaaagcag gatatettta atatteatea ggeagaatet caccagtgea aagaaccaae 1620 attgatetgg tgeeteeget eactetetge agaceatttt ggatteetaa gatgtaatta 1680 tacatttcac atgcatttgt gagataaaat aaacattatg tttacatata tcccacatga 1740 gtcattcacg cctaaaggtt ttctaaatac tgtgtgtggc actagaaact tcatgctgta 1800 tcaagtcagt gtcagtatta agctactgga ctctataatg aaatattata gatagacatt 1860 tactgaaaac caatataaaa atctggccca gaaagaccag aatggaaata tgcaattttc 1920 1980 ggtttaagac aggtatgtgt aagaagcctt tttgtgtgtg ctgactttat catqacaact 2040 ctagctgatt ctttatgaag gattagggat attcatcttc agcagtgcac atgagaaata 2100 aactetgaaa aaggcaattt etggggttta ggaaggaceg tattetggga attactteag 2160 aggaacggac aataattcta ggattatagc caagaaggac tggaagactt caggagatgc 2220 ttcagcttct tctagatttt gaatgctgaa taagccactg aagtgtgata tctatattat 2280 cettttettt geaagaaatt gaatageage aaatttetet ateetgaata geagaeagat 2340 tcattttttc aattagctgt ttctcatcca aggcattagg aagatctctc ttgtttccaa 2400 gcactagcac tggaattcct tgtaactgtg gtttatctag aagattatgt agctcatttc 2460 gggaagette tatettttea egatetgeag catetateat gtaaacaata geattgaete 2520 ctctgcaata ccgctcccac atgcttcgaa atcggggttg tcctcctatg tcccagatct 2580 ttattgtgac gttaccttta gttaccttcc tcatgttgaa gcccactgtg ggtatcatat 2640 cttcactgaa ttgacctgac gcgatgacat tgacgaaggt ggtcttgccc gagtactgca 2700 gccccacgag cgtcagctcc atctcttcct tccagaagag cgaacggaac cagtccagca 2760

```
ggcgggagat gagcgccagc atgatggcgg ccgggagcga gaacggacgg gaggacggac 2820
gagcggcggc gtcgacgact tccacacgag cgggcctccg cccggaccct ccaacggctc 2880
cttggtgccc cggcgcgaca cgggcggaca ccggcgggcg gcaca 2925
```

```
<210> 7294
<211> 1410
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (123)...(822)
<223> similar to gi868241 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7294 ggaatteege tttteeggte tgggteeceg agaggaetge ettgeteace tgteeceteg 60 gegeggeece ggggagetee egagaggeee eegggatege tggeeeteeg aacteeacag 120 caatgagcaa gttgggcaag ttctttaaag ggggcggctc ttctaagagc cgagccgctc 180 ccagtcccca ggaggccctg gtccgacttc gggagactga ggagatgctg ggcaaqaaac 240 aagagtacct ggaaaatcga atccagagag aaatcgccct ggccaagaag cacggcacgc 300 agaataagcg agctgcatta caggcactaa agagaaagaa gaggttcgag aaacagctca 360 ctcagattga tggcacactt tctaccattg agttccagag agaagccctg gagaactcac 420 acaccaacac tgaggtgttg aggaacatgg gctttgcagc aaaagcgatg aaatctgttc 480 atgaaaacat ggatctgaac aaaatagatg atttgatgca agagatcaca gagcaacagg 540 atategeeca agaaatetea gaageatttt eteaaegggt tggetttggt gatgaetttg 600 atgaggatga gttgatggca gaacttgaag aattggaaca ggaggaatta aataagaaga 660 tgacaaatat ccgccttcca aatgtgcctt cctcttctct cccagcacag ccaaatagaa 720 aaccaggcat gtcgtccact gcacgtcgat cccgagcagc atcttcccag agggcagaag 780 840 gatacctaaa ttaatgagct atagataaaa tataaaaaat gtttttacca agttcagaag 900 ttaacaaaga ctctgcttta taattatatt gaatgaataa ttgtgtttta agcctcctaa 960 gtaaaagtaa aaaaggagtc atgtgcatac atagaatcag tgatggaggc caggcacggt 1020 atctcatgcc tataatccca gcactttggg aggctgaggc agttgagacc aggagttcga 1080 gtccagcctg accaacatga agaaaccctg tctgtactaa aaatacaaaa attagccqqa 1140 catggtggca ggcacctgtg atcccagcta cttgggaggc tgagtcagga gaattgcttg 1200 agcccaggag atggaggttg cagtgagcca agatcatgcc actgcactcc agactgggca 1260 acagagggag actccgtctc aaaaactaaa aaaaaaaata catttagtat agcggggggt 1320 gggggggaga aataatgtta tttcctatgc gaatgacgtg tatccctgta cccatggtaa 1380 atgtaaatat actgtgtctc ttttgggagg 1410

```
<210> 7295
<211> 1811
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (318)...(1493)
<223> similar to gi4050073 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 7295 gaagcccaga ctatttattg gtgatcaaac aaagaaacag gggaatattg tcctattatg 60 atteteetga agatgeetgg aaaggttgea aagggageat acaaatggea gtetgtgaaa 120 ttgaagttca ttctgtagat aatacatgca tggacctgat aatccccqqq qaacaqtatt 180 tctacctgaa ggccagaagt gtgcctgaaa gatagcggcg gctggtggcc ctgggatcag 240 ccaaggettg cetgactgae agtaggaeee agaaggataa agagtttget gaaaacaetg 300 aaaacttgaa aaccaaaatg tcagaactaa gactctgctg tgacctcctt gttcagcaag 360 tagataaaac aaaagaagtg accacaactg gtgtgtccaa ttctgaggag ggaattgatg 420 tgggaacttt gctgaaatca acctgtaata cttttctgaa gaccttggaa gaatgcatgc 480 agategeaaa tgeageette acetetgage tgetetaceg caetecacea ggateacete 540 agctggccat gctcaagtcc agcaagatga aacatcctat tataccaatt cataattcat 600 tggaaaggca aatggagttg agcacttgtg aaaatggatc tttaaatatg gaaataaatg 660 gtgaggaaga aatcctaatg aaaaataaga attccttata tttgaaatct gcagagatag 720 actgcagcat atcaagtgag gaaaatacag atgataatat aacagtccaa ggtgaaataa 780 ggaaggaaga tggaatggaa aacctgaaaa atcatgacaa taacttgact cagtctggat 840 cagactcaag ttgctctccg gaatgcctct gggaggaagg caaagaagtt atcccaactt 900 tetttagtae catgaacaca agetttagtg acattgaact tetggaagae agtggcatte 960 ccacagaagc attettggca teatgttatg etgtggttee agtattagac aaacttggce 1020 ctacagtgtt tgctcctgtt aagatggatc ttgttggaaa tattaagaaa gtaaatcaga 1080 agtatataac caacaaagaa gagtttacca ctctccagaa gatagtgctg cacgaagtgg 1140 aggcggatgt agcccaggtt aggaactcag cgactgaagc cctcttgtgg ctgaagagag 1200 gtctcaaatt tttgaaggga tttttgacag aagtgaaaaa tggggaaaag gatatccaga 1260 cagccctgaa taacgcatat ggtaaaacat tgcggcaaca ccatggctgg gtagttcgag 1320 gggttttttgc gttagcttta agggcaactc catcctatga agattttgtg gccgcgttaa 1380 ccgtaaagga aggtgaccac cggaaagaag ctttcagtat tgggatgcag agggacctca 1440 gcctttacct ccctgccatg aagaagcaga tggccatact ggacgcttta taagaggtcc 1500 atgggctgga atctgatgag gttgtatgat ggctgctggg cagcacctcc taacttcagg 1560 gaataaagtg ctaaagtgtt ttgttgccct acttaatttc cagcaacagc ctcaaccctc 1620 tccaacccct tcacctgggg ggatggacag gaggtggcaa aacccaqtqc ttttataatt 1680 tttaaaatgc atatgtgttt tgtttaaaga tcaaggtgct atatatttca gttcagcagg 1740 cctactggaa accaaatgat aagctgctgt agacttgaac agcaagttat aagagcagat 1800 ttaacaaaca a 1811

```
<210> 7296
<211> 1464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (327)...(597)
<223> similar to gi5107188 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7296
gatttcctcg cgttataacg aatcggcgtc taagggttta agtgtcactt gacattactg
                                                                      60
eteccaegtg ttettteeca tetggeggee geggeteetg tecagaecet gaceeteeet
                                                                      120
                                                                     180
cccaaggete aaccgtecce caacaaccge cagcettgta etgatgtegg etgegagage
                                                                      240
ctgtgcttaa gtaagaatca ggccttattg gagacattca agcaaaggtt ggacaactac
                                                                      300
ttttccagaa cagaaaggaa actcatgcat cagaaaaggt ttcagggata taatcagaag
                                                                     360
gtgactaata aaggtaccag aagaatatgg ctgcacaaat accagaatct gatcagataa
                                                                      420
aacagtttaa ggaatttctg gggacctaca ataaacttac agagacctgc tttttggact
gtgttaaaga cttcacaaca agagaagtaa aacctgaaga gaccacctgt tcagaacatt
                                                                      480
                                                                      540
gcttacagaa atatttaaaa atgacacaaa gaatatccat gagatttcag gaatatcata
                                                                      600
ttcagcagaa tgaagccctg gcagccaaag caggactcct tggccaacca cgatagagaa
gtcctgatgg atgaactttt gatgaaagat tgccaacagc tgctttattg gaaatgagga
                                                                      660
ctcatctgat agaatcccct gaaagcagta gccaccatgt tcaaccatct gtcatgactg
                                                                      720
tttggcaaat ggaaaccgct ggagaaacaa aattgctatt taccaggaat aatcacaata
                                                                      780
gaaggtetta ttgttcagtg aaataataag atgcaacatt tgttgaggee ttatgattca
                                                                      840
gcagcttggt cacttgatta gaaaaataaa ccattgtttc ttcaattgtg actggttaat
                                                                      900
tttaaagcaa cttatgtgtt cgatcatgta tgagatagaa aaatttttat tactcaaagt
                                                                      960
aaaataaatg gaaatatcac tgagcagttg tttatactgt atggtaccat agtattctca
                                                                    1020
ctggactgtg gatacgttga aatgtttttc aatcaggatc atcctccaag cagtcctgtt
                                                                    1080
cattcatgtc tgcctcaaat tgctggtgaa tacataaaat agttacttgc taatcatttc
                                                                    1140
aatgcatgat cettttettg cetecettgt gteagggtgg geattacata tacttttett
                                                                    1200
ttttttttt ttgaaaacgg atttttttt tccccccca ggaggagggg aaggggaaaa
                                                                    1260
ttttaattta attgaaccct ccccttccca agtaaagcaa tttttgtgcc ccaacccccc
                                                                    1320
aaggagggg gaataaaggg gggggccccc ctgccccggt aaattttggt tttttaaaaa
                                                                    1380
aaaggggggt taaacaaatt ggcccgggtg ggtttaaaat tttgaaccta aggggacccc
                                                                    1440
ccggcctaac cctccaaaag ggta
                                                                    1464
```

```
<210> 7297
<211> 696
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (278)...(590)
<223> similar to gi4886455 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7297
cgagtggctg ccccacaaaa tgcctgcttc tctgcggaat cctactgttc ttcacatgct
                                                                       60
ctctaatacc atctttcat atccactttc tcttccatgt tgaaaaatta aattgacagg
                                                                      120
ctggattctg caaagatctt tggacattta agtatcttcg accggtgcga aaagaggcgg
                                                                      180
cetgacettg gaagtgggae ggggteetge agegggteet teeggegggt gacatteage
                                                                      240
eggeggtteg gggegaegga etetecatte cagaaceatg geceaatttg teegtaaeet
                                                                      300
tgtggagaag accccggcgc tggtgaacgc tgctgtgact tactcgaagc ctcgattggc
                                                                      360
cacattttgg tactacgcca aggttgagct ggttcctccc acccctgctg agatccctag
                                                                      420
agctattcag agcctgaaaa aaatagtcaa tagtgctcag actggtagct tcaaacagct
                                                                      480
```

```
cacagttaag gaagctgtgc tgaatggttt ggtggccact gaggtgttga tgtggtttta 540 tgtcggagag attataggca agcggggcat cattggctat gatgtttgaa gaccaatctt 600 taacatctga ttatatttga tttattattt gagtgttgtt ggaccatgtg tgatcagact gctatctgaa taaaataaga tttgtcaaaa aaaaaa 696
```

```
<210> 7298
<211> 988
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (908)...(667)
<223> similar to gi5262862 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7298 gggaccacta caggagggct ttctcctcac tgaaatcttg ttcatcttta ggatttctcc 60 agcacctcag ttcgaattcc cactccttat gtgcaagtgg cactcttggc tttccaattc 120 tgttttttat ttaggtgact caatcagtgg ctgaacttct gatcctgtgg cccctttttg 180 tagcttcaga ctgaaactgg atgcctttgt agaacatatt cacgcaagga ttctgtatga 240 acagaaaagg atgcaataaa ggaggattcc tccaaaatgt tttaattata tgtccataca 300 atatataaaa tatatgcatc attttagctg gataagaaaa gcaagtcaaa tgaaatgaca 360 cttctcqaaa cttaagttaa ataatcttgt aggaagaggt atattttgtc ttttttaaat 420 tattttagca ttctgtacac tgaccaacga ggtaaaggaa aatgactgaa actctacaag 480 tgaaagaaca tttcacaatt aaaatccaca atttgtatac atttatctta ctcacatcgt 540 caggtqaaaa atcacccaac ttattataaa aggaqqacaa attqtatcac aaaaqaaqca 600 aaaattagaa aaaattcata aaaaaatata tccaactatg aaaagcgttg ctctcttggt 660 gtottcacat cogtototto tgtgtactga tgtacaacac attgtttcct cggataaatg 720 catececata ettattette agttgtecat ttacatatte ttetgtetge tecagggeta 780 tattcatgta gccatccagg caagccagga cccctcgata atccactcca gaatttaatt 840 ttaccacaac tggtcgtccg atgatttgct ttaagaagtc actaggggtt tgcttccgaa 900 gactcatttt aacaatcctc geeggeggga accagaaccc teactccagg egeeceacga 960 gcccggccgc cgcggatgat cccagcca 988

```
<210> 7299
<211> 790
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (282)...(571)
<223> similar to gi2565275 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7299
getgttgage gggggeegae egaeggeeag gagtttettt tetgegettg tgegttttet
                                                                       60
gttcggtttc cttcccgcta gcggggccac gagggttgct aggcaacagc ccctgggtga
                                                                      120
ettggtetta gggteetgte eggettgggg etgatgaaag gagetgteeg egeeeggget
                                                                      180
cttccgagaa gtggttgctg acagccacaa agtgaaaggg agtgaggcgg cgtggacgag
                                                                      240
taaggagtga cagtgaggat tcacatttgg gttatttcaa gatgagcttc ctactgccca
                                                                      300
agctgactag caaaaaggaa gtagaccagg cgataaaaag tactgctgag aaggtgttgg
                                                                      360
ttctcaggtt tgggagagat gaagatcctg tctgtctgca gctagatgat attctttcta
                                                                      420
agacctette tgacttaagt aaaatggetg etatataeet ggtagatgtg gaccaaactg
                                                                      480
cagtttatac acagtatttt gacatcagtt atattccatc tactgtcttt ttcttcaatg
                                                                      540
ggcagcatat gaaagtggat tatggtggag aagatccagc cctcagaagc ataaaagctg
                                                                      600
teegeagaac cageeetgea ggtaetttag gagaaaagee agteaactee tagtaataac
                                                                      660
aggtaacatt gggagggttc tgtgtgccag gcactgtgct atgtgctttc tgtgtattta
                                                                      720
ctcatttaat tcttcaacag cccataagca ttgggtcttt ttattatcta ataatcccgt
                                                                      780
tttttataaa
                                                                      790
```

```
<210> 7300
<211> 6677
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (229)...(3564)
<223> similar to gi3043610 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7300 ctcaggtggt caggaacact tttggaagat aaatctaagg aagagagtgg tacttagcag 60 ctgtcatttt cctttcaggc tcctgtgacg tttgatgaca tcactgtgta cttactccag 120 gaggaatggg tgctgctgag ccagcaacag aaggagctct gtggttccaa caagctggtg 180 gcaccactgg gaccaactgt tgccaatcct gagctgttcc gcaagttcgg acgagggcca 240 gagecatgge ttggeagegt ceagggeeag aggageette tggageatea ceeaggaaaa 300 aaacagatgg gctacatggg agaaatggag gtgcaaggtc ccaccaggga gagtggacag 360 tecetecege etcagaagaa ageetaeett teceaeetca gtacaggeag tggacacate 420 gagggagact gggccggaag aaacaggaaa cttctgaagc cccggtccat ccagaagtcg 480 tggtttgtgc agtttccgtg gctgatcatg aatgaggagc agacggctct gttctgctct 540 gcttgccgag aatacccctc catcagggac aaacggtcaa gactaataga aggttataca 600 ggaccattca aggtggagac tctcaaatac cacgcgaaga gcaaggccca catgttctgt 660 gtcaatgcct tggcagcgag ggaccccatc tgggcagccc ggttccggag catcagagac 720 ccacctggag atgttctggc cagcccggag ccgctcttca ctgcagattg ccccatattc 780 taccccccag ggcctctggg aggatttgat agcatggctg agctcctgcc aagttcaaga 840 gctgaactag aggaccctgg gggggatgga gcaattcctg caatgtatct agactgcatt 900 tcagatttga ggcaaaaaga aatcactgat ggcatccaca gctcctcaga cattaatatt 960 ttatataatg atgcagtaga atcctgcatt caggaccctt ctgcagaggg gctgtcggag 1020 gaggttcctg tggtgtttga ggagctgccg gtggtgttcg aggatgtggc agtgtatttc 1080 acccgggagg agtggggcat gctagacaag cggcagaagg agctgtacag agacgtgatg 1140

```
1200
eggatgaact acgagetgtt ggeatecttg ggacetgetg etgecaagee agaettgate
tccaaactgg agcggagggc tgcaccctgg atcaaggacc caaatgggcc aaagtggggg
                                                                     1260
                                                                     1320
aaaggtegte etecagggaa caagaagatg gtggcagtga gagaggcaga cacacaggee
                                                                     1380
teggetgeag acteegegtt getteeagge teteeegtgg aggeeegtge eteetgetge
agttccagca tttgtgagga aggagatgga cctaggagaa tcaagaggac atacaggccc
                                                                     1440
egttecatte agaggteatg gtttgggeag tteceatggt tagtaattga eeccaaaqaq
                                                                     1500
accaaactet tetgeteage etgeatagaa agacetaate teeatgataa atcatetegg
                                                                     1560
ttagtcagag gttacacggg gccttttaaa gtggagactt taaaatacca tgaagtcagc
                                                                     1620
aaagcgcaca ggctctgtgt caacacggtt gaaatcaagg aagacacccc tcacactgcc
                                                                     1680
ctcgttccag agatctccag cgacctcatg gccaacatgg agcacttttt caatgccgcc
                                                                     1740
tactccattg cataccactc aaggeeectg aatgactttg agaagateet geageteete
                                                                     1800
caaagcacgg ggaccgtgat attaggcaag taccgcaatc gcacggcgtg cactcagttc
                                                                     1860
atcaagtaca tctcagagac cctgaagagg gagatcctgg aggacgtgcg gaactcgccc
                                                                     1920
tgtgtgagcg tgctgctgga cagctccacc gacgcctccg agcaggcctg cgtggggatt
                                                                     1980
tacatccgct acttcaagca gatggaggtg aaagagtcct acatcactct ggcccctctc
                                                                     2040
tacagtgaga cagcagatgg gtacttcgag accatcgttt ctgccctgga tgagctggac
                                                                     2100
atcccettcc ggaagcctgg ctgggtggtg gggctgggga cggatggctc agccatgttq
                                                                     2160
agctgcagag gaggccttgt ggaaaagttc caggaggtca tcccgcagct gctccctqtc
                                                                     2220
cactgcgtgg cccaccggct gcacctggct gtggtggacg cctgcgggag catcgatctq
                                                                     2280
gtgaagaagt gtgaccggca catccgcacc gtcttcaagt tttatcagtc ctcaaacaag
                                                                     2340
aggctgaacg agctgcagga aggtgcggcg cctctggagc aggagatcat ccgcctgaag
                                                                     2400
gatctgaatg cggtccgctg ggtggccagc aggaggcgca cgctgcacgc gctgctcgtg
                                                                     2460
agctggcccg ccctggccag gcacctccag agggtggcag aggctggggg ccagattggg
                                                                     2520
caccgggcca aagggatgct gaagctcatg cgcggcttcc actttgtcaa gttctgccac
                                                                     2580
ttcctgttgg acttcctgag catctacagg cctctgtccg aggtgtgcca gaaggagatc
                                                                     2640
gtgctgatta cagaggtgaa cgccacgctg ggccgcgcct acgtggcact ggagagcctc
                                                                     2700
cgtcaccagg cagggcccaa agaggaagaa ttcaacgcca gcttcaagga tgggcggctc
                                                                     2760
cacggcatct gcttggacaa actggaggta gcggaacagc ggttccaggc ggatagggag
                                                                     2820
aggacagtee tgaeggggat tgagtaeete cageagaggt ttgaegeaga eegaeeeeca
                                                                     2880
cagctgaaga acatggaggt gtttgacacc atggcctggc caagtgggat tgaacttgcc
                                                                     2940
agttttggga atgatgacat tctcaacctg gccaggtatt tcgagtgctc cctcccaaca
                                                                     3000
ggatacagtg aggaagctct gctggaggag tggctgggcc tgaaaaccat tgcccagcac
                                                                     3060
ctcccgttct ccatgctttg caaaaacgcc ctggcccagc actgccgctt cccctgcta
                                                                     3120
agcaagetea tggeegtggt ggtetgtgtg cecateteea eetettgetg tgaqeqqqq
                                                                     3180
ttcaaggcca tgaaccgaat caggaccgat gagaggacca agctctccaa cgaggtgctc
                                                                     3240
aacatgetea tgatgaeage tgtgaaeggt gtggeegtea eggagtaega eeceeageee
                                                                     3300
gccatccage actggtacet gacetectea ggccggcgtt teagecatgt etacacetgt
                                                                     3360
gcccaggtgc cagcccgctc ccctgcaagc gccaggctca ggaaggagga gatgggagcc
                                                                     3420
ctctatgtgg aggagcccag gacccagaag ccacccatcc tgccctccag ggaagcagcg
                                                                     3480
gaggttctga aggactgcat catggagcct cccgagagac tcctgtatcc ccacaccagc
                                                                     3540
caggaggece eegggatgte etgagggaca gggagteett gggaetgeet tggagaegee
                                                                     3600
tetgtgatea etgggaeagg etetgeagat tetaggetge eetaggatet tetgetggtg
                                                                     3660
gcgatggtct ctaagcacca ggaagtgggc agtggcatcc cagagcagca ggggtatcag
                                                                     3720
gaggtgcatg acctgtttcc tgaggcccca ctcagcacag ccatgcctca cagcacaca
                                                                     3780
atgtgccaga aggttctata tctcaagttc atttttaagg tgctgcagaa aataacccca
                                                                     3840
tcatgaaagg tttcagcccc tgagttttgg tggcaagagg agtgtcctgg taggggagac
                                                                     3900
tgttggacat ccctggggaa tgttccaggg aggctgccca cagtctaagt gggaatggga
                                                                     3960
aagaccacct tgttagaggg ggaggttgcc cctgctctag ggacagctgg cctggctgca
                                                                     4020
agagececca gaggeattgt tetgggaett cetaceetgg eteccacage agaageagtg
                                                                     4080
aggccgtggt ctcgtgcgga actctacctc ttcccagggc ttcctttagg gcgaaacaat
                                                                     4140
cacaageeet ttgcacagag cacecaagaa agttetette etgcagetee agatggtgga
                                                                     4200
gctgggctct tctggcaggg ggtctggtgc ttcccggaga gccgagccgc gtttaacccg
                                                                     4260
tggcatgccc ggcccggttt acccaggaga ggatgggacg aagttggagt tgggaggctt
                                                                     4320
gggatgcagc cccagctctg ctgcaggcag tggtctgatt aatcccttcc tctttgtgcc
                                                                     4380
tcagtttccc tctccatgaa gtggcagcag agatccaagt gcctgctgac tccccatctg
                                                                     4440
ccctaggatt agtgaatgag agcctcgagc tccctgaaag acctctggct gcagtgtgga
                                                                     4500
cttagctgcc atctgcccca tcctcgtcct tagtgggaca ggtaggaatt tgtctccaaa
                                                                     4560
```

```
gtccttgttg taggagttgc tctctgaatg caccatctgc acgacaggct agtccactct
                                                                     4620
                                                                     4680
tetetgaget geeetgggga etetgeaeca ggateteeag ggeeeaetga gacateeeeg
aatgggeget cagtgacaag ggetttgaac aaceteetee agggaetttg ggeetgetet
                                                                     4740
agetteagaa ecacagaace acegeeetag aggeacagag gggettetgg caetgetagg
                                                                     4800
ttcacaccet cctcgcccat cttccttcca cctaaagtga agcacttttc cttccaaggg
                                                                     4860
cageteegte ttggcagget caggaggeeg ettateagga ggaggatgat tttgtetagg
                                                                     4920
ttetgeette ettaaceatg ggeaggaaat gaggeaagte ageaggeagg gtttetetge
                                                                     4980
cctgcctgat acttgtttta aacaggcagg aagtgggcgc catccatccc agcttgcttq
                                                                     5040
etgeetgget caggeaggte etgtgetgtg etgeaggeee etgtgggtgg geeetttete
                                                                     5100
catagtetge egetteecat teccagggta gatgetggea tetgageace tgagtaceet
                                                                     5160
tectattece agggtagaag etgetgtetg agtaceette ceatteceag ggtagatget
                                                                     5220
ggcgtccgag cccctccccg gtaccgcagg taccctggta ccccacctgc cctttcatcc
                                                                     5280
ccaccccagt acttagcctt agcactgttg ctttcgtgtc attttcagtt ctagtcagga
                                                                     5340
attectitet tgetttetge etttgaeetg tggaaatgte teecageeet gtgggtetgg
                                                                     5400
cggtcagagg gaccccacag gcctgtggtg cgggagctct gggaggtgtt actatctgcg
                                                                     5460
tggctaaggc acacacaggc ctccttctcc ccatcaccgt ctccatgggc gttcaggaac
                                                                     5520
ttgcccaggt caggcactgt ggatgtgaac tcgtggaaag ggagggagaa aggctttttt
                                                                     5580
aggtggggct atagcctctg ccctacccac agggattcca catcaaggtg ctgttccagc
                                                                     5640
acacatgett cetgeggeet etteateett gaagaateee teagageagg aggeeateet
                                                                     5700
gtgagcagcc gtgagtgggt ctctgtggga gtagttctgg agctgaggtg gaagctaggg
                                                                     5760
gaagcaactc gccctctcca cgtcagcatc agcgtgctcc gaggacaccg gccagtgcct
                                                                     5820
teettaggtg gtgggaaagg ggggteeetg tgeagegggg ceaetgagaa tgetgtttgt
                                                                     5880
cataaaattt gcactacccg atttctcaag gggcacaggc ctgctccgtt cccctttgtc
                                                                     5940
agccaatggc caagaaggaa gaagatgact gccatcttat tcctgaactt cctcattcgg
                                                                     6000
gacccccgtg gaaacacagt gagcatcctt atcagaggcc ctggcccagg ctggcccctt
                                                                     6060
tgctttgttt ggagaggctg gctgagtttc agcccctagt gctggagacc cccttgttgg
                                                                     6120
agaggettee tgtttatgee teacaagaag aaaaaceaea gggetetggg aggggaagaa
                                                                     6180
gcatgcactc ccgctttggc tggagtccca gcgcttgtcg ccaccctcct ccttgcctgt
                                                                     6240
agtottgaca gcatccgtat gtacgtgtcc tggcatttcc cctccctctc cctgatgact
                                                                     6300
gatacccacc gggtctgaca ttccaagtaa ccagtatgta actggtagtt tgatcccaat
                                                                     6360
agccatageg actecaggtg ggagtgaggg gageceagee ecetgteetg gaagatacet
                                                                     6420
tagagtatgt gaccgcgctc cagacccttg cttctctctc ctgcagagga tgagtttcta
                                                                     6480
gggtgctaag tacctatcag aacagtgtgg agggggggt ccctcataca ggtgtgtgct
                                                                     6540
tagccaaata cagtaactgt gactggccca gggatgttct ctcctctatt ttcaaagatg
                                                                     6600
aaaggaggtt ttaaaaacca tgtttgattc ctaacctttt gctacctgaa taaagcagag
                                                                     6660
tctatttcaa cacaaaa
                                                                     6677
```

```
<210> 7301
<211> 1340
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (251)...(973)
<223> similar to gi4980974 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7301
actgcttgtt ccggcagtgg aagagacgcg ccggcgttgg ccgctgctgc tagcagcttg

```
aaccccaggg tcgggaccga tgtcggcttg ggctgctgcc agcctaagca gggccgctgc
                                                                      120
                                                                      180
cegatgettg etggeacgag geeceggggt cagggegget ceteegegeg acceeeggee
                                                                      240
ctcccaccc gagccccggg gctgcggtgc cgctccgggc aggacgctgc actttaccgc
                                                                      300
ggctgtcccc gccgggcaca acaagtggtc caaagtcagg cacatcaagg gtccgaagga
                                                                      360
cgtcgaaagg agtcgcatct tctccaaact ctgtttgaac atccgcctgg cagtgaaaga
                                                                      420
aggaggcccc aaccctgagc acaacagcaa cctggccaat atcttagagg tgtgtcgcag
                                                                      480
caaacatatg cccaagtcaa cgattgagac agcactgaaa atggagaaat ccaaggacac
                                                                      540
ttatttgctg tatgagggtc gaggccctgg tggctcttct ctgctcatcg aggcattatc
                                                                      600
taacagtagc cacaagtgcc aagcagacat tagacatatc ctgaataaga atggaggagt
                                                                      660
gatggctgta ggagctcgtc actcttttga caaaaagggg gtgattgtgg ttgaagtgga
                                                                      720
ggacagagag aagaaggctg tgaacctaga gcgtgccctg gagatggcaa tcgaagcagg
                                                                      780
agctgaggat gtcaaggaaa ctgaagatga agaagaaagg aacgttttta aatttatttg
                                                                      840
tgatgcctct tcactgcacc aagtgaggaa gaagctggac tccctgggcc tgtgttctgt
                                                                      900
gtcctgtgca ctagagttca tccccaactc aaaggtgcag ctggctgagc ccgacctgga
                                                                      960
acaggeegea cateteatte aggeteteag caaceaegag gatgtgatte aegtetatga
                                                                     1020
taacattgaa taaccaggct acatgtgccc ccgggttcct tcctagaaat gtggcagccc
                                                                     1080
attccagcac acaggettet geageaatet etgagggtaa ageeggtggg aggeteagea
ggccaggagg cccaaggaca ggacttgcga ccttgaagcc aaaggaatct cacttgtggg
                                                                     1140
                                                                     1200
geeteettgt eagetetget getgteteag ageeatetgg atgagtgtee egacaceete
teggatgeag ggeaggacea ceeagetggt cagactetga tgttgggtag etggeetetg
                                                                     1260
tggggattgt aagtgeeetg aggegetetg tactaaaaac tgetettaat aataacggtg
                                                                     1320
                                                                     1340
attattggtt gctgcaaaaa
```

```
<210> 7302
<211> 2435
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(2333)
<223> similar to gi558586 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7302
ctgcaatggc ggctctagac tccctgtcgc tcttcactag cctcggcctg agcgagcaga
                                                                       60
aggecegega gaegeteaag aacteggete tgagegegea getgegegag geegetaete
                                                                      120
aggeteagea gaccetgggt tecaceattg acaaagetac egggateetg ttatatgget
                                                                      180
                                                                      240
tggcctcccg actcagggat acccggcgtc tctccttcct tgtaagctac atagccagta
                                                                      300
agaagatcca cactgagccc cagctaagcg ctgcccttga gtatgtgcgg agtcacccct
                                                                      360
tggaccccat cgacactgtg gacttcgagc gggaatgtgg cgtgggtgtc attgtgaccc
                                                                      420
cagagcagat tgaggaggct gtggaggctg ctattaacag gcaccggccc cagctcctgg
cggaacgtta ccatttcaac atggggctgc tgatgggaga ggctcgggct gtgctgaagt
                                                                      480
gggcagatgg caaaatgatc aagaatgaag tggacatgca ggtcctccac cttctgggcc
                                                                      540
                                                                      600
ccaagttgga ggctgatctg gagaagaagt tcaaggtggc aaaagctcgg ctagaagaaa
cagaccggag gacggcaaag gatgtggtgg agaatggcga gactgctgac cagaccctgt
                                                                      660
                                                                      720
ctctgatgga gcagctccgg ggggaggccc ttaagttcca caagcctggt gagaactaca
                                                                      780
agaccccagg ctatgtggtc actccacaca ccatgaatct actaaagcag cacctggaga
ttactggtgg gcaggtacgt acccggttcc cgccagaacc caatggaatc ctgcatattg
                                                                      840
gacatgccaa agccatcaat ttcaactttg gctatgccaa ggccaacaat ggcatctgtt
                                                                      900
```

```
ttctgcgttt tgatgacacc aaccctgaga aggaggaagc aaagttcttc acggccatct
                                                                     960
gtgacatggt agcctggcta ggctacacac cttacaaagt cacatatgcg tctgactatt
                                                                    1020
                                                                    1080
ttgaccaget atatgegtgg getgtggage teateegeag gggtetgget tatgtgtgee
accagcgagg agaggagete aaaggeeata atactetgee tteaccetgg agagacegte
                                                                    1140
                                                                    1200
ccatggagga gtcactgctg ctctttgagg caatgcgcaa gggcaagttt tcagagggcg
aggccacact acggatgaag ctggtgatgg aggatggcaa gatggaccct gtagcctatc
                                                                    1260
gagtcaagta tacaccacac caccgcacag gggacaaatg gtgcatctat cccacctacg
                                                                    1320
actacacaca ctgcctctgt gactccatcg agcacatcac tcactcactc tgcaccaagg
                                                                    1380
                                                                    1440
aattccaggc ccgacgctct tcctacttct ggctttgcaa tgcactggac gtctattgcc
ctgtgcagtg ggagtatggc cgcctcaacc tgcactatgc tgttgtctct aagaggaaga
                                                                    1500
tectecaget tgtageaact ggtgetgtge gggaetggga tgaeceaegg etetttaeae
                                                                    1560
                                                                    1620
tcacggccct gcgacggcgg ggcttcccac ctgaggccat caacaacttc tgtgcccggg
tgggagtgac tgtggcacaa accacaatgg agccacatct tctagaagcc tgtgtgcgtg
                                                                    1680
                                                                    1740
atgtgctgaa tgacacagcc ccacgagcca tggctgtgct ggagtcacta cgggtcatca
teaceaactt teetgetgee aagteettgg acateeaggt geecaactte ecagetgatg
                                                                    1800
agaccaaagg cttccatcag gttccctttg cacccattgt cttcattgag aggactgact
                                                                    1860
tcaaggagga gccagagcca ggatttaagc gcctggcttg gggccagcct gtgggcctga
                                                                    1920
                                                                    1980
ggcatacagg ctacgtcatt gagctgcagc atgttgtcaa gggccccagt ggttgtgtag
agagtetgga ggtgaeetge agaegggeag atgetggaga gaageeaaag geetttatte
                                                                    2040
actgggtgtc acagcctttg atgtgtgagg ttcgcctcta tgagcgacta ttccagcaca
                                                                    2100
agaaccetga agateetaet gaggtgeetg gtggattttt aagtgaeetg aacetggeat
                                                                    2160
cactacacgt ggtggatgca gcattagtgg actgctctgt ggccctggca aaacccttcg
                                                                    2220
                                                                    2280
acaagttcca gtttgagcgt cttggatatt tctccgtgga tccagacagc catcagggaa
agettgtett taaccgaact gtcacactga aggaagacce aggaaaggtg tgagetggaa
                                                                    2340
                                                                    2400
gcactgaacc tacctcatcc tcctggaggg tgtggctacc ctcgccaccc caaattccat
                                                                    2435
gtcaataaag aacagctaaa ttctcaaaaa aaaaa
```

```
<210> 7303
<211> 2819
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (60)...(1109)
<223> similar to gi508487 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7303
                                                                       60
ageeggeaga ggagetaggg agtgtggeae tgageegget eaggeagaga egeggeaeea
                                                                      120
tggctagcaa gaaagtctgc attgtaggct ccgggaactg gggctcagcc atcgccaaga
                                                                      180
tegtgggtgg caatgeagee cagetggeae agtttgaeee aegggtgaee atgtgggtat
ttgaggaaga cattggaggc aaaaagctga ctgagatcat caacacgcag catgagaatg
                                                                      240
tcaaatacct gccagggcac aagttgcccc caaatgtggt ggctgtccca gatgtggtcc
                                                                      300
                                                                      360
aggetgeaga ggatgetgae atcetgatet ttgtggtgee ecateagtte ateggeaaga
                                                                      420
tetgtgacea geteaaggge catetgaagg caaacgecae tggcatatet ettattaagg
                                                                      480
gggtagacga gggccccaat gggctgaagc tcatctcgga agtgattggg gagcgcctcg
                                                                      540
gcatccccat gagtgtgctg atgggggcca acattgccag cgaggtggct gatgagaagt
tetgtgagac aaccattgge tgcaaggace eggeecaggg acaacteetg aaagagetga
                                                                      600
tgcagacacc aaacttccgt atcacagtgg tgcaagaggt ggacacagta gagatctgtg
                                                                      660 .
```

```
gagcettaaa gaatgtagtg geegtggggg etggettetg tgatggeetg ggetttggeg
                                                                      720
acaacaccaa ggcggcagtg atccggctgg gactcatgga gatgatagcc ttcgccaagc
                                                                      780
tettetgeag tggeeetgtg teetetgeea eettettgga gagetgtggt gttgetgaee
                                                                      840
tgatcactac ctgctatgga gggcggaacc ggaaagtggc tgaggccttt gcgcgtacag
                                                                      900
gaaagtccat tgagcagctg gagaaagagt tgctgaatgg gcagaaactg caggggcccg
                                                                      960
agacageceg ggagetatae ageateetee ageacaaggg eetggtagae aagttteeet
                                                                     1020
tgttcatggc tgtgtacaag gtgtgctacg agggccagcc agtgggtgaa ttcatccact
                                                                     1080
                                                                     1140
geetgeagaa teateeagaa catatgtgag tggggeeagg geeeaggeea ggeegetttt
ttaccccagt ggagaccagc agaagcctgg ggtacctagt caccaggatc tccaggactc
                                                                     1200
ccagggagca gagtcttctc atcttttcac tggaggacag gaggctatgg ggcccagcta
                                                                     1260
                                                                     1320
cgcacctgga gatcctgaac tgtcaagcca ctggcagcct catgccacca catttgccag
aaatgcagtt gecetgteee tetecagatg tggggettte tecatateet etgggagggg
                                                                     1380
tggaatcaag ccccagtgct tgcctgcttt ggtggcgggg gtgatgtatg tggagaaggg
                                                                     1440
                                                                     1500
ttgggggaga ggccggtagg gcaggggctg ctagtggctg tctcacatac accagtaatc
ctgttaaagg gctgaagaag tatcttagcc acaggagcga tgaggcaagg attgtcaggg
                                                                     1560
aggggtetgg gettetgage tgatgeagge eecaaggace eetttgetga eetetgeeag
                                                                     1620
gacccacaca gcttcgatgg atctcagtgt ttgttaacaa aatacaaaga tctcaaacaa
                                                                     1680
accepttta gettetecta geaacatetg tgteeteaga aacetetggt tetececett
                                                                     1740
ccccctcccc caggetgecc tggcacccaa attgctgeca tgctggcatc tgtagetegg
                                                                     1800
tggcttgaca ttctccccag ggacttcccg gttcctagtt ctttgccagc tcctccccac
                                                                     1860
tetgtgegae etttecaage etteceteae eeteeeegee ageaeeetet ttggggagea
                                                                     1920
ggaacttaat ctgctgacag agctacacct ttcataacag gctcagatca ctcagctccc
                                                                     1980
tgtgacettt gtattcacce aggetteett eteagtaget etagetgggg gaggtgteag
                                                                     2040
etgggeeet cetgtgetat etceceagag gacatecetg actecacec tttetteete
                                                                     2100
ccaaactctg cacctcttcc tcagctgctc cagaccggcc agggtaacca gctaaccatg
                                                                     2160
cctggcatct ggaagccagc aggccagagg gtggcccaaa ggctgatgaa cggtagggaa
                                                                     2220
gggtgagcag attcctatgt tggtgggcac caatattcca agggcagctc tctttgctga
                                                                     2280
atgagggcct tctcgtgagg tactgacaac accagcaact cgagagctgg gaaactcaag
                                                                     2340
gaggaggaag aaaatcaaaa ccaccctact ccctggggtg aggaaagaac aggaggggag
                                                                     2400
gaggaggagt gtgctctgca cttgccttgc tccaggatgg ggtggcagca gaggaatgtc
                                                                     2460
acaggtcagc agcctaggcc tccagctata aatagtccgg agggcccgag aggctcccgc
                                                                     2520
ccgtccagca gggctgtcag cttcctgtgt ggcagcacct ggcacactgg ctctggccag
                                                                     2580
cattatgcta aaaccctgtt actctccaat gaaccaggga ggcgggctcc tctctgcgcc
                                                                     2640
tatcccttga gaattctgtc ttaccagtga agggtggggc tgcccagatc aggcagcagg
                                                                     2700
agtgaggggc acagtcaccc caggccttgc tgagcccagg tctgggtact gagtgtccag
                                                                     2760
agetgeetee ceaggaggtt aaggtggggg caaaggggaa getteaagea etttggeet
                                                                     2819
```

```
<210> 7304
<211> 938
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (553)...(335)
<223> similar to gi5257260 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7304
tttttttttt ttgatcaaaa acctttattc tggtcctcat cattcaggaa gccacttatg

```
120
cagaacactt tettteatet etgetetaag cageageagt tgeateeagg ettgatatgg
aagacagaca gaaatagtgg aagaccttgc agagaagagc taattgatga gatctctgct
                                                                      180
                                                                      240
tatcccqqca taggtgaagg cagaacagga agagtgtgtg taagtgcaaa gactccgttc
ttcaaagctg aggcctgtgc agaggggtga actgaaggct tcagatgaag gctcacaaaa
                                                                      300
ctgccccgct cggcaatcaa tctaaagtac cttccagaaa agcaaattca tccacagctt
                                                                      360
ctattgcatt atccaagtct ctcctctgaa gggttttcct ttttccctgc tgagcgcaac
                                                                      420
agtaggcatc ttttgcaatg gtctccacaa acagttccgc ggctcgtgcc agaatgaaga
                                                                      480
tggcttcctg tcccgctagc gtcacgtcgg gatctgcctt caccaaggcc ttcactcgcg
                                                                      540
                                                                      600
ccaqaqqcaa cctcqagaga cgaqccccag gcacactcgt tggggcctgg ggctgcgagg
                                                                      660
ccqctqcctc cccaqcaqqt cccaqqccta aaqaqcaacc atactgtggg acattctctt
                                                                      720
ctcatggcag acagcagaag atcaagaggg acgaaccaaa atatgccttg tctcataacc
                                                                      780
ttqtqcttaq aactqqcact ttqtcqcttc cacccatqtt ccacqqatca aagcaacaat
                                                                      840
taaggccaag ccccacatca gtggagcagg ggtgcacgtg tcccttcagg gagaatgggc
                                                                      900
aaqtcacacc atgggcaggg ctgtgtcacc ctattacagg gggaaactag gagttgggaa
                                                                      938
caacaqttct ttctaccaca gatttagagt gtactctt
```

```
<210> 7305
<211> 690
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (639)...(348)
<223> similar to gi3288881 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7305
tttttttttt ttgcattttg gttattttta gttaaagaaa aacagctttc tccaagggcg
                                                                       60
acaaagtgaa ctgaaggtca gaaggaagct gggtgcgggc ttcctgcaag ctcttgctcc
                                                                      120
aaaacctgga agtgaggaga gggcgctccg gagctctggg gaaggttggt gcacacaggg
                                                                      180
gttccgttgg tgggggagaa gagccgccag cccacacacg gtcactggat tggtgtgagt
                                                                      240
                                                                      300
gggttccaag cgactgccat qtqctaqtcc actqacatqa ttqacattaa cattcttqqq
gggcattaaa ttaaqqaatq acacaqqqaq ccaaqaqaqt qqcttattcq qttqqattct
                                                                      360
gaatcacaat caggaaatag totttatotg gtgcaaccat aatttcattt ttottggago
                                                                      420
gaattcgaag gaaggtgaga tcgttctggg ggtcgatgtc acgcacggtg ctccgtgcct
                                                                      480
tcaggatgaa gctgtgcatg aggctggcat actgggtggt ggtggggttg tccatggtqc
                                                                      540
tettgatggg aatgeettet gtgtteacga cgatgattee etgeacteee ttetggetet
                                                                      600
geagtegett cagtgtetee tecacetetg ceattteega cegateeggt ageceegegt
                                                                      660
agcgaacact tagcgagtcc tgctcgtgcc
                                                                      690
```

```
<210> 7306
<211> 1775
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (343)...(1224)
<223> similar to gil255324 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 7306 gtccgggtcc gctgcctggc gctgcgggcg gcgggccatg gtggtttgga ttgagccggg 60 cccggccggg gcgccgagtc ggagggggtg gcagtgagcg gcggcagagg ctacggggct 120 eggtttgget gaetggggag teggeaggeg geaggaacca tgegaggeea geggageetg 180 ctgctgggcc cggcccgcct ctgcctccgc ctccttctgc tgctgggtta caggcgccgc 240 tgtccacctc tactccgggg tctagtacag cgctggcgct acggcaaggt ctgcctgcgc 300 tecetgetet acaacteett tgggggeagt gacacegetg ttgatgetge etttgageet 360 gtctactggc tggtagacaa cgtgatccgc tggtttggag tggtgttcgt ggtcctggtg 420 atcgtgctga caggctccat tgtagctatc gcctacctgt gtgtcctgcc tctcatcctc 480 cgaacctact cagtgccacg actctgctgg catttcttct atagccactg gaatctgatc 540 ctgattgtct tccactacta ccaggccatc accactccgc ctgggtaccc accccagggc 600 aggaatgata tegecacegt etecatetgt aagaagtgea tttaceceaa gecageeega 660 acacaccact gcagcatctg caacaggtgt gtgctgaaga tggatcacca ctgccctgg 720 ctaaacaatt gtgtgggcca ctataaccat cggtacttct tctctttctg ctttttcatg 780 actotggget gtgtctactg cagctatgga agttgggacc ttttccggga ggcttatgct 840 gccattgaga aaatgaaaca gctcgacaag aacaaactac aggcggttgc caaccagact 900 tatcaccaga ccccaccacc caccttctcc tttcgagaaa ggatgactca caagagtctt 960 gtctacctct ggttcctgtg cagttctgtg gcacttgccc tgggtgccct aactgtatgg 1020 catgctgttc tcatcagtcg aggtgagact agcatcgaaa ggcacatcaa caagaaggag 1080 agacgtcggc tacaggccaa gggcagagta tttaggaatc cttacaacta cggctgcttg 1140 gacaactgga aggtattcct gggtgtggat acaggaaggc actggcttac tcgggtgctc 1200 ttaccttcta gtcacttgcc ccatgggaat ggaatgagct gggagccccc tccctgggtg 1260 actgctcact cagcctctgt gatggcagtg tgagctggac tgtgtcagcc acgactcgag 1320 cactcattct gctccctatg ttatttcaag ggcctccaag ggcagctttt ctcagaatcc 1380 ttgatcaaaa agagccagtg ggcctgcctt agggtaccat gcaggacaat tcaaggacca 1440 gcctttttac cactgcagaa gaaagacaca atgtggagaa atcttaggac tgacatccct 1500 ttactcaggc aaacagaagt tccaacccca gactaggggt caggcagcta gctacctacc 1560 ttgcccagtg ctgacccgga cctcctccag gatacagcac tggagttggc caccacctct 1620 tctacttgct gtctgaaaaa acacctgact agtacagctg agatcttggc ttctcaacag 1680 ggcaaagata ccaggcctgc tgctgaggtc actgccactt ctcacatgct gcttaaggga 1740 gcacaaataa aggtattcga tttttaaaaa aaaaa 1775

```
<210> 7307
<211> 1106
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)...(1002)
<223> similar to gi5281121 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7307 ggcacgaggg ctgccacggc atggagaatg gctccgcttc tgttgcagct ggcggtgctc 60 ggcgcggcgc tggcggccgc agccctcgta ctgatttcca tcgttgcatt tacaactgct 120 acaaaaatgo cagcactcca togacatgaa gaagagaaat tottottaaa tqocaaagqo 180 cagaaagaaa ctttacccag catatgggac tcacctacca aacaactttc tgtcgttgtg 240 ccttcataca atgaagaaaa acggttgcct gtgatgatgg atgaagctct gagctatcta 300 gagaagagac agaaacgaga teetgegtte aettatgaag tgatagtagt tgatgatgge 360 agtaaagatc agacctcaaa ggtagctttt aaatattgcc agaaatatgg aagtgacaaa 420 gtacgtgtga taaccctggt gaagaatcgt ggaaaaggtg gagcgattag aatgggtata 480 ttcagttctc gaggagaaaa gatccttatg gcagatgctg atggagccac aaagtttcca 540 gatgttgaga aattagaaaa ggggctaaat gatctacagc cttggcctaa tcaaatggct 600 atagcatgtg gatctcgagc tcatttagaa aaagaatcaa ttgctcagcg ttcttacttc 660 cgtactcttc tcatgtatgg gttccacttt ctggtgtggt tcctttgtgt caaaggaatc 720 agggacacac agtgtgggtt caaattattt actcgagaag cagcttcacg gacgttttca 780 tetetacaeg ttgaacgatg ggeatttgat gtagaactae tgtacatage acagttettt 840 aaaattccaa tagcagaaat tgctgtcaac tggacagaaa ttgaaggttc taaattagtt 900 ccattetgga getggetaca aatgggtaaa gacetaettt ttatacgaet tegatatttq 960 actggtgcct ggaggcttga gcaaactcgg aaaatgaatt aggttgtttg cagtcttcag 1020 ttgtgttctt atgcttcagt gtcacatttc atttcatttg aaactaaaat tttaagtaaa 1080 gctgaaataa acttctaaaa aaaaaa 1106

```
<210> 7308
<211> 2075
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (66)...(1898)
<223> similar to gi3820978 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7308 tttcaagccg actgtgtggc agctgagagg agttttgcac gtggatcgcc gttcgggtgg 60 gcgagatgga gacagccccc aagccgggca aggatgtccc gcccaagaaa gacaaacttc 120 agaccaagag aaagaaaccg cggcgatact gggaggaaga gaccgttccg accacagccg 180 gageetetee agggeeteet egtaacaaga agaateggga geteegteet eagagaceaa 240 aaaatgctta catcttaaag aagtctcgga tctctaagaa gcctcaggtc ccgaagaaac 300 cccgagaatg gaagaacccg gagtcccagc gcggcttgtc cggggcccaa gatccattcc 360 caggccccgc ccccgtccct gtggaagtgg tccagaagtt ctgtcgcatt gacaaatccc 420 gaaagctacc acattctaaa gccaaaactc gaagccgact tgaggtggct gaagctgagg 480 aagaggaaac aagtatcaaa gctgctcgtt ctgagctgct gcttgctgaa gaacctgggt 540 ttctggaagg ggaggatggg gaagacacag caaagatatg ccaggctgac attgtggagg 600 ctgtggacat tgcaagtgca gccaagcact ttgacttgaa tctgcggcag tttggaccct 660 acagactaaa ctactctcga actggaagac acctggcttt tggagggcgc cgaggtcatg 720 tggctgccct tgattgggta acaaagaagc ttatgtgcga gatcaacgtc atggaggcgg 780 tgegggaeat eeggtttete eattetgagg eactgettge tgttgeteag aacegetgge 840 tccacatcta tgacaatcag ggcattgagc tccactgtat ccgccgctgt gaccgagtaa 900

```
cacggettga gttcctgccc ttccacttcc tcctggctac agettcagaa acagggtttc
                                                                      960
taacctacct ggatgtgtca gtggggaaga ttgtggcagc tctgaatgct cgagctgggc
                                                                     1020
ggctcgatgt tatgagtcag aaccettaca atgccgtcat ccatctcgga cacagcaatg
                                                                     1080
gtactgtgtc tttatggagt ccagctatga aggagccact ggcaaagatt ctctgtcatc
                                                                     1140
gtggtggggt ccgggctgtg gcagtagatt ctacaggcac gtacatggcc acctctggcc
                                                                     1200
tagaccacca gctgaagatc tttgacttgc gagggacgta ccagcctctg agcactcgga
                                                                     1260
ccctgcccca tggagcaggg cacctggcct tctcccagag gggactgctg gtggcgggaa
                                                                     1320
tgggtgacgt tgtcaacatc tgggcagggc agggcaaggc cagcccaccc tcccttgaac
                                                                     1380
agccctacct cacccaccgg ctctcaggcc ctgtgcatgg ccttcagttc tgcccctttg
                                                                     1440
aagatgtget gggggtgggg cacactgggg gcatcaccag catgctggtc cctggggccg
                                                                     1500
gtgagcccaa cttcgatggc ctggagagta atccatacag aagccggaag cagcgccagg
                                                                     1560
agtgggaggt gaaggccctg ctagagaagg tacctgcaga gcttatttgt ctggacccac
                                                                     1620
gagccctggc cgaggtggat gtcatctccc tggagcaggg aaagaaggag cagatagaga
                                                                     1680
ggctgggcta tgacccgcag gctaaggctc ccttccagcc aaagccaaag cagaagggcc
                                                                     1740
gcagctccac ggcaagcctg gtgaagagga agaggaaggt catggatgag gaacacaggg
                                                                     1800
acaaggteeg geagageett eageageage ateataagga ggegaaggee aageeeaegg
                                                                     1860
gggcccggcc atctgccctg gacagatttg tgcgctgagc cagactccag ggttgcctgg
                                                                     1920
gaacagtete teeccaagat cacetgtagg gaaatgagtg tteeetggaa caaggaggtg
                                                                     1980
ggggcagtgt ggccccttcc ccaactgggg gtggacagct gtctcctggg gtgggttggt
                                                                     2040
attaaagagg aaagcgattt tttggaaaaa aaaaa
                                                                     2075
```

```
<210> 7309
<211> 1489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (335)...(1089)
<223> similar to gi5679136 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7309
gcggccgctc ctaccaccct gggcagccga gcagagtcgt ccccagcggg tctccctccc
                                                                       60
tgcctccctg actttgcaac accgcgttcc gggaggaccg gcctcggcga gggaggaggc
                                                                      120
gggggagctg cgaacaccca gacccaaacc ctgacatgct ctggggcgga gaggaggaag
                                                                      180
ccaggagetg agegeageeg egtgtggetg ettegeeete eggeteegag egeegggete
                                                                      240
egggegeeet geeettgege etggggeage ageetttget ggtettgggg gegeeeeeg
                                                                      300
cttcccgccc cgggggtccg cggccggcag gaccatgctg ctgaaagagt accggatctg
                                                                      360
catgccgctc accgtagacg agtacaaaat tggacagctg tacatgatca gcaaacacag
                                                                      420
ccatgaacag agtgaccggg gagaaggggt ggaggtcgtc cagaatgagc cctttgagga
                                                                      480
ccctcaccat ggcaatgggc agttcaccga gaagcgggtg tatctcaaca gcaaactgcc
                                                                      540
tagttgggct agagctgttg tccccaaaat attttatgtg acagagaagg cttggaacta
                                                                      600
ttatccctac acaattacag aatacacatg ttcctttctg ccgaaattct ccattcatat
                                                                      660
agaaaccaag tatgaggaca acaaaggaag caatgacacc attttcgaca atgaagccaa
                                                                      720
agacgtggag agagaagttt gctttattga tattgcctgc gatgaaattc cagagcgcta
                                                                      780
ctacaaagaa tctgaggatc ctaagcactt caagtcagag aagacaggac ggggacagtt
                                                                      840
gagggaaggc tggagagata gtcatcagcc tatcatgtgc tcctacaagc tggtgactgt
                                                                      900
gaagtttgag gtctgggggc ttcagaccag agtggaacaa tttgtacaca aggtggtccg
                                                                      960
agacattctg ctgattggac atagacaggc ttttgcatgg gttgatgagt ggtatgatat
                                                                     1020
```

```
gacaatggat gatgttcggg aatacgagaa aaacatgcat gaacaaacca acataaaagt
                                                                    1080
ttgcaatcag cattcctccc ctgtggatga catagagagt catgcccaaa caagtacatg
                                                                    1140
acaatggatg aagtccgaga atttgaacga gccactcagg aagccaccaa caagaaaatc
                                                                    1200
ggcattttcc cacctgcaat ttctatctcc agcatccccc tgctgccttc ttccgtccgc
                                                                    1260
agtgcgcctt ctagtgctcc atccaccct ctctccacag acgcacccga atttctgtcc
                                                                    1320
gttcccaaag atcggcccg gaaaaagtct gccccagaaa ctctcacact tccagaccct
                                                                    1380
gagaaaaaag ccaccctgaa tttacccggc atgcactctt cagataagcc atgtcggccc
                                                                    1440
aaatctgagt aactttatat aaatatctca tggggtttta tattttcaa
                                                                    1489
     <210> 7310
     <211> 949
     <212> DNA
```

<211> 949
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (410)...(834)
<223> similar to gi5912212 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7310 caagactgtc cgcatctggg tacccaatgt caaaggtgag tccactgtgt ttcgtgcaca 60 cacagocaca gtgaggagtg tocacttotg cagtgatggc cagtcottcg tgacagcotc 120 tgacgacaag acagtcaaag tgtgggcaac tcatcgccag aaattcctgt tctccctgag 180 ccagcatate aactgggtee getgtgeeaa gtteteeece gaegggegge teategtgte 240 tgccagtgat gacaagactg ttaagctgtg ggacaagagc agccgggaat gtgtccactc 300 gtattgtgag catggcggct ttgtcaccta tgtggacttc caccccagtg ggacgtgcat 360 tgccgctgcc ggcatggaca acacagtgaa ggtgtgggac gtgcggactc accggctgct 420 gcagcattat cagttgcaca gtgcagcagt gaacgggctc tctttccacc cgtcgggaaa 480 ctacctgatc acagcctcca gtgactcaac cctgaagatc ctggacctga tggagggccg 540 getgetetae acaetecaeg ggeateaggg accagecaee actgttgeet ttteaagaae 600 gggggagtat tttgcttctg gaggctctga tgaacaagtg atggtttgga agagtaactt 660 tgatattggt gatcatggag aagtcacgaa agtgccgagg cccccagcca cactggccag 720 ctccatgggg aatctgacag tctccattct ggagcagcgg ttgacactgg aagaagacaa 780 gctgaagcag tgtctggaga accagcagct aatcatgcag agagcaacac catgatcagg 840 ggagcaggaa tcaggagctc ggtggatttg caggtggcag gccagggatt tqtaccatqq 900 gacttgggta aataaagggg actgaactct gtgggaatca catccataa 949

```
<210> 7311
<211> 1363
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1224)...(221)
```

<223> similar to gi4929605 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 7311
                                                                      60
ttttttttt ttggtggcaa gtgagattta tttaaacaac gacatgtcaa caggaacagg
aagaggaaca tgtgcgacca ctgtagtgac caaggcttct caagagtgtg ggatgagacc
                                                                     120
tgcggacgag gcccgcccac cgctcaggga gcttgcaggt ctcctccagg agggcaagtg
                                                                     180
getteggett etggetegge ataageette gacagattaa taagttatet eetteageee
                                                                     240
                                                                     300
aageteattt ceteetttgg ttgeecagea aaggeagtaa tgeegeatga getgeteeag
cagetecatt teatecagga atteaagtga ttetatectg eteactteag etegaggtaa
                                                                     360
cctgttgtac aactccatca tgtcgacggc cgatgctgtt tcccacccat tcgacaggag
                                                                     420
                                                                     480
cegttettte tgtgaeteta atgaettgea ggteteeact eeegeeaggt cacaetggeg
                                                                     540
tetecqeaqq ttttcaatca tgatetqeec aaaccgatca cecatgttca cetgttcqta
gtttatgaac atggctctct caaaactgtt ggctgcccac ttcaggaggt ttgcggactg
                                                                     600
ctctggagtc atgtaaacca gcacacattc agctatcagg agtgttggca attgtgtatt
                                                                     660
catgttacat ttctttagct tctcttccag ttcagacagg tctcggagat ctgctccaat
                                                                     720
aacggcatat ctctttgaat ccagtatgtg tccatccatc tgaagtgtgt cctctgaatg
                                                                     780
cagttctaga atggggctgg ataggggagg cttgcatttg atactgtgca gctttctcgt
                                                                     840
gacaatcatt ggaaagtcaa cctcaaaata tttacttggg agaagatctt catcctttaa
                                                                     900
tctccagaag gtggtatcca tgcctgcccc aaggttgaca atttgacaat gacattctgt
                                                                     960
cttccgtaga aatgccttta taagctgact gacaccatgg actcgagcaa aatatcctct
                                                                    1020
gttgatttca ggggctttcc tctctttaga cagtctcaca aagtgctgta tgtaagggtc
                                                                    1080
atgccagtag ccaatgctta ctgcaaacct cttgcacagg gaagcatctt cgcaggtgcc
                                                                    1140
gcgcacgccc tcgtcgtctg cgtcgcagct cgaggtggaa cagcaggagg tgatagagga
                                                                    1200
ttecetetge etagtggeea tgggegtgga ggtteetggg agetgtgtee geeagggaea
                                                                    1260
tggaagcggg gtcgacgggc ggcgggggac ggcgcgagcc acagggagaa agcaacagaa
                                                                    1320
gagggtaggg ccctacctgg ctcagctggc gcggctcagt gac
                                                                    1363
```

```
<210> 7312
<211> 3372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3271)...(1219)
<223> similar to gi5817280 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7312
aagctcacag caaagagaag ggtcctgaaa gcaagttgcc agttgccccc ttcacagttg 60
aatacaaggg tgtaaggcac gaattctgg tggctccacc ccatccttcc agtgtgcctg 120
tgggccctta gtctgagcca ctccatatta atttatatcc cttgctgtgc atatgttacg 180
gaatggaatt ttccacgtgg acatgtttag gcaatccccc ctttgcaagt tcccttatct 240
gcacaaagca tctcatgctg tggagccagt ggcaggttct ccgggaccct tcccttactg 300
tctgcctaaa gcaaactggc taaattcttt cacaagtttt tcttttctt tttttcttt 360
ttctttcttt ttttttcc aatttgcatt agaaagcttt tattgagacc aggttaacca 420
```

		gctgaaggaa				480
		ccaaaggtac				540
		tacatggcat				600
		aatctcttgg				660
		tgttttcagc				720
		gttttgtttt				780
		ctcagtgacc				840
		gtaaatacac				900
		gttacagctc				960
aggcactcaa	tacatacttt	tttttgcatg	aatgataaat	gaaatgattt	tacattacca	1020
		cctaccatta				1080
		tcacaataca				1140
		cagagcaagg				1200
		tcattcttt				1260
		aacgcttatt				1320
		ttttcttctc				1380
		attcttttcg				1440
		ttggcttttt				1500
		catcactgtc				1560
		cttttctcat				1620
		tgctgatggc				1680
		agatttcttg				1740
		cctcctcctc				1800
		ctttctcaac				1860
		attcttgtac				1920
		gcatctgagg				1980
		tcttatcctt				2040
		gaggacatcg				2100
		agttcttgtc				2160
		ggggtactag				2220
		ggtggggctg				2280
		ttcccaccaa				2340
		agcactcaag				2400
		tggctgaaaa				2460
		ttgccttttc				2520
		gcaggtctct				2580
		cttcatcttt				2640
		aacatgcagt				2700
		gttcaatcat				2760
		tgtacatgaa				2820
		tcttgatatc				2880
		gaaaaagttc				2940
		gcaagatcaa				3000
		aggagagaag				3060
		taatctgtgc				3120
		atttgaaaat				3180
ctgtagaaac	tcctcgatgt	aggccggcgg	gtctcgcttg	attagattct	gtaactgcgg	3240
		tgttgtttct				3300
		actcagacgg	ccggcacccc	gcaatccctg	ccagctgcag	3360
cttggactcg	tg					3372

<210> 7313 <211> 2152

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (307)...(1367)
<223> similar to gi2315363 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 7313 tttcgtggag acctgtgtgg ccagaggggc ggatccgccc ccggggaggg aggaagctct 60 gcctggccag cgccggcgca cccctcccc gagagagaga gagagagaga ggctctttgt 120 ccgggccgga gctgcagcgg agggggcggg gaggagactc cgggcactac tccagtgtgg 180 teccetetgg agggeggagg ggatgaggag etgegeeeta atcettatqt ecqettteet 240 tacagatggt gggcagtggt ggtgctggct gcgttcccct ccctaggggc aggtggggag 300 actecegaag ecceteegga gteatggace eagetatggt tetteegatt tgtggtgaat 360 gctgctggct atgccagctt tatggtacct ggctacctcc tggtgcagta cttcaqqcqq 420 aagaactacc tggagaccgg taggggcctc tgctttcccc tggtgaaaqc ttqtqttt 480 ggcaatgagc ccaaggcete tgatgaggtt cccctggcgc cccgaacaga ggcggcagag 540 accaccccga tgtggcaggc cctgaagctg ctcttctgtg ccacagggct ccaggtgtct 600 tatctgactt ggggtgtgct gcaggaaaga gtgatgaccc gcagctatgg ggccacagcc 660 acatcacegg gtgagegett tacggacteg cagtteetgg tgctaatgaa cegagtgetg 720 gcactgattg tggctggcct ctcctgtgtt ctctgcaagc agccccggca tggggcaccc 780 atgtaccggt actcetttge cagcetgtee aatgtgetta geagetggtg ceaatacqaa 840 gctcttaagt tcgtcagctt ccccacccag gtgctggcca aggcctctaa ggtgatccct 900 gtcatgctga tgggaaagct tgtgtctcgg cgcagctacg aacactggga gtacctgaca 960 gecacectca tetecattgg ggtcagcatg tttetgetat ecageggace agageceege 1020 agetececag ecaccacact eteaggeete atettaetgg eaggttatat tgettttgae 1080 agetteacet caaactggea ggatgeeetg tttgeetata agatgteate ggtgeagatg 1140 atgtttgggg tcaatttctt ctcctgcctc ttcacagtgg gctcactgct agaacagggg 1200 gccctactgg agggaacccg cttcatgggg cgacacagtg agtttgctgc ccatgccctg 1260 ctactctcca tetgeteege atgtggeeag etetteatet tttacaccat tgggeagttt 1320 ggggctgccg tcttcaccat catcatgacc ctccgccagg cctttgccat ccttctttcc 1380 tgccttctct atggccacac tgtcactgtg gtgggagggc tggggqtqqc tqtqqtcttt 1440 gctgccctcc tgctcagagt ctacgcgcgg ggccgtctaa agcaacgggg aaagaaggct 1500 gtgcctgttg agtctcctgt gcagaaggtt tgagggtgga aagggcctga ggggtgaagt 1560 gaaataggac ceteceacea teceettetg etgtaacete tgagggaget ggetgaaagg 1620 gcaaaatgca ggtgttttct cagtatcaca gaccagctct gcagcagggg attggggagc 1680 ccaggaggca gccttccctt ttgccttaag tcacccatct tccagtaagc agtttattct 1740 gagccccggg ggtagacagt cctcagtgag gggttttggg gagtttgggg tcaagagagc 1800 ataggtaggt tecacagtta etetteecae aagtteeett aagtettgee etagetgtge 1860 tetgecacet tecagactea eteceetetg caaatacetg catttettae eetggtgaga 1920 aaagcacaag cggtgtaggc tccaatgctg ctttcccagg agggtgaaga tggtgctgtg 1980 ctgaggaaag gggatgcaga gccctgccca gcaccaccac ctcctatgct cctggatccc 2040 taggetetgt tecatgagee tgttgeaggt tttggtaett tagaaatgta aetttttget 2100 2152

<210> 7314 <211> 3928 <212> DNA

<213> Homo sapiens <220> <221> misc_feature <222> (155)...(2367) <223> similar to gi28382 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

<400> 7314

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```
tteetgeegt ceeteetgtt gtgaaateae cacattetgt etetgettgg etteecetee
                                                                     2760
accetaaagt eteaggtgae ggaeteagae teetggette atgtggeatt etetetgete
                                                                     2820
agtgatetea ettaaateta tatacaaage ettggteeeg tgaaaacaet egtgtgeeea
                                                                     2880
ccagcggcct tgaagaggca ggtctgggcc agatgctggg caggaaaccc cagcggcaga
                                                                     2940
tgggcctgtg tgcacccaac gtgatgctat gcatgtctga ccgacgatcc ctcgaccaga
                                                                     3000
atcagattca ggagctcagt ttcttttca cttgggtctc tggattcctg tcatagggaa
                                                                     3060
ggtatatcag gaggggaaga ggcctttcta gaattttctt tgagcaggtt tacaatttag
                                                                     3120
cttacatttt tegactgtga acgtgaatag getgettttt getttettet ttecagacce
                                                                     3180
cacagtagag cacttttcac ttatttgggg gaggettcag gggactgttc tcacettaac
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tcagccagaa agatgcccta gttgtgatca aaggtaactc gaggtggagg gtagccctgg
                                                                     3300
ggcccctcga catcaccgtc attgatggag cctgaaccgt gtgctcctcg gcagatqctg
                                                                     3360
ttgttgttac ttccctccaa gaggctggaa aagggctcag agctgctgag caggaaccgg
                                                                     3420
agggtgaccc atttcaggag gtgccggtac cagcctgact aggtacaggc aagcttgtgt
                                                                     3480
gggcccaaca ggcccttggt agagctggtg ccagatgtgg gctcagatcc tgggcatgat
                                                                     3540
gggccgagcc acctcggatc ccactgattg gccagccgag cgagaaccag gctgctgcat
                                                                     3600
ggcactgacc gccgcttcca gcttcctctg agccgcaggg cctgctacgc gggcaaqcgt
                                                                     3660
gctgcctctc ttctgtgtcg ttttgttgcc aaggcagaat gaaaagtcct taaccgtgga
                                                                     3720
ctcttccttt atcccctcct ttaccccaca tatgcaatga cttttaattt tcacttttqt
                                                                     3780
agtttaatcc tttgtattac aacatgaaat atagttgcat atatggacac cgacttggga
                                                                     3840
ggacaggtcc tgaatgtcct ttctccagtg taacatgttt tactcacaaa taaaattctt
                                                                     3900
tcagcaagtt ccttgtctaa aaaaaaaa
                                                                     3928
```

```
<210> 7315
<211> 3898
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3411)...(1271)
<223> similar to gi3184389 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7315
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                                                                      120
aagtgtcatt ttttatggta ttatgcttat tcaaggtgtg aagatacaga acctctttat
                                                                      180
aaatttctgg catcaaagat tcccaccgta gataaaaaca ggttggttat aaaatgtcaa
                                                                      240
ttcattaaat attcaatttt tgttctttgt ttttataagg aatattttqt agaaacagta
                                                                      300
taaaatagag tagacttttg gaaattgaat tataaaattt tagaaaaaag tgttaagtcc
                                                                      360
taacttttct ttgcgaacca acaagagagt ctagttttac cttggggagt tacctgtgaa
                                                                      420
gtgcattagg cggctagagc tgtttcagag ccctgggttc tatacagtag aagcagcctt
                                                                      480
ctttagcact tagaatacga ccccagcttt ttccagttag cctcaatcag aaaagtttaa
                                                                      540
catacatgaa tatttctata gtgcagtaaa agtgtcattt tattaatttg cattatgaaa
                                                                      600
ataagtotgt ataccaagta atgcataatg aatatgaatc atgtaaattt ggtcacggta
                                                                      660
tttgaagttg gctttggctc tgaagtattt ttgaattcat agaaaatatt gagcttttaa
                                                                      720
taaaataaat aaaacatttt aattgatatt aataatcaag ttcaaatttt aatttttcat
                                                                      780
ctgctactca attttaaaag agaagtcact ctcagtagtg ttcccaagtg agcgattgca
                                                                      840
ccttctatga tgtgaaaaag ttgctaaaga tcctattgcc attagccgtt cttaagtgct
                                                                      900
gaacgtaact gagagaattg tttgcaatag acatgctctg tcactggcag gaagtccatc
                                                                      960
```

aatacccttt	gcaggggcac	tccagacctt	gtgttttacc	agaaactgag	gcaaaccgtg	1020
gtcctcatgt	gcctttctga	agagctcctg	cagcaggccc	aggctacagt	ggccaagtct	1080
cacttgacag	taatggcatt	ggatggtggc	tgcagaaggt	tactgatgtc	cccgtgggct	1140
ttcacaggct	atgcagatcg	ggggctgttc	tgcctagtac	tgaaaggacc	aaggagctct	1200
ggctgccctc	aggaattcca	aatgaccgaa	ggaacaaagc	ttcagggctc	tgggtggtgt	1260
ctcccactat	tcaggaggtg	gtcggaggtt	ccgcagcttc	atttcgtcca	gtcctttcca	1320
gtatttaaag	ttgttgtcaa	gatgctgcat	taaatcaggc	aggtctacaa	aggcatccca	1380
agcatcaaac	atgtctgtga	tgaagtaatc	aatgaaagag	atttgggatt	tggggatgct	1440
gcaggtattt	ctgtcaaaca	ctggcatcac	cacaggtaag	ccctgctgct	tctcttcatc	1500
		ccgaaatgcg				1560
tcggcaggga	ttggacacat	cagcacattt	aatcagcatt	cgtttgatta	gggtccggtt	1620
ctctggagtc	ctaagcatag	tgtttatcac	ttcctggttt	ttatcagttt	ccccattttc	1680
ttctagtgtt	gccaagggtt	tgttgatgct	gttgacaaat	ttgttgacat	gctcaaagtg	1740
		agaccatgtc				1800
		atatattgca				1860
		ccagcacagc				1920
		agttggttct				1980
		catcaattgg				2040
		gaagcacatc				2100
		cgataatttg				2160
		caaagcgagc				2220
		ccagttcaaa				2280
		gtgggacatc				2340
		ttgttgaaag				2400
		caacaaggtc				2460
		cagtggttct				2520
		tttcctgggc				2580
		aatgtatccg				2640
		caacagcttt				2700
		ctgtatgagt				2760
		acactctgat				2820
		tcttcacatt				2880
		actccttgcc				2940
		ttataggcac				3000
		tttcaaatgc				3060
		cttcactgtt				3120
		gcacctctcc				3180
		ctacatacct				3240
tacggacaac	tcttctctat	ccaccctgcg	tactacacca	acaataactq	tattttcta	3300
		acctgcacag				3360
		catgatgttt				3420
		taaaccctgc				3480
		acactaaaag				3540
		ctactgctac				3600
		ccgcgggtcc				3660
		gacagcggcg				3720
		gatgctcggg				3720
		gatgcccggg				3780
ccacacacac	catataeta	ccacctages	gcaaacyycc	caeceggege	totagggeeg	
3-333-36	cycyccaccy	ccgcctggaa	aaacaaacaa	cyaycycyga	catagaga	3898

<210> 7316

<211> 1663

<212> DNA

```
<221> misc feature
     <222> (82)...(722)
     <223> similar to gi3877251 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7316
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cacactgttg ggagtcgctg caagaatcgg acaggcgctg agcacctgtq qctqacccqa
                                                                      120
catctcaggg acccatttgt gaaggctgcg aaggtggaga gttaccggtg tcgaagcgcc
                                                                      180
ttcaagetee tggaggtgaa cgagaggeac cagattetge ggeeeggeet tegggtgtta
                                                                      240
gactgtgggg cagctcctgg ggcctggagt caggtggcgg tgcagaaggt caacgccgca
                                                                      300
ggcacagate ceagetetee tgttggette gtgettgggg tagatettet teacatatte
                                                                      360
cccctggaag gagcaacttt tctgtgccct gctgacgtga ctgacccgag aacctcacag
                                                                      420
agaatcctcg aggtgcttcc tggcaggaga gcagatgtga ttctgagcga catggcgccc
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aatgccacag ggttccggga cctcgatcat gacaggctca tcagcctgtg cctgaccctt
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ctcagcgtga ccccagacat cctgcaacct ggggggacat tcctttqtaa aacctgggct
                                                                      600
ggaagtcaaa gccgtcggtt acagaggaga ctgacagagg aattccagaa tgtaaggatc
                                                                      660
atcaaacctg aagccagcag gaaagagtca tcagaagtgt acttcttggc cacacagtac
                                                                      720
cacggaagga agggcactgt gaagcagtga ggatttcttg tqccattttc ataatqqtca
                                                                      780
ttagctcctt ttaagctaga aacgtagcct gagctcctga agagttcctg ggagatttga
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gctgattttg gagatggagc aggacaagtg gggagtctct ctctcttt ctctctct
                                                                      900
ctttttaacc aaaaagagat gacaaaacta agttcagggg ccatggaaaa tgaaaaagtc
                                                                      960
cgctatattg tgatttggga agagaaagtt atcaagagaa agaggtgagg atggaaggat
                                                                     1020
ggagaaaaac agactgtggg aaggatcaga aggaatccgc cgaggcaggg atgggtgtgc
                                                                     1080
ccatgtgtgc cttgacggga cttcatctta tagactgtta aactgtcaca cacaaacagg
                                                                     1140
etttecacce etgetetgag ageaccaege acagatttee agttettagt gtggetgttt
                                                                     1200
aaagtagaaa atctgggggc tgggtgaggc cactcatgcc tgtaaaccca gggctttaga
                                                                     1260
aggctgaggc tgggggattg cttgaagtca ggagttcaag accaacctgg gcaacatagc
                                                                     1320
aacacccccc atgtctacaa aaatgaaaaa ccaaaaagca aaccaaaaga aaaatctgaa
                                                                     1380
atttccatct ggggattaac ttctgtcttt ctggtgaaca atatagcaat tcacgcattc
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ttcaagcagc aaaagttccc ggaacaatta gggaagacgt atggtctgaa tttatccagg
                                                                     1500
cagtgggtct gctttggttt ttgctggaaa tttatatcag tgtctgggct cccaagaaca
                                                                     1560
taaatgtaat tgccaaagca agcagtgatg tggtgtgttt attttctttt actcatctag
                                                                     1620
gaacttgacg cagctttata tttaataaaa taatagagat tgc
                                                                     1663
     <210> 7317
     <211> 2426
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (2293)...(671)
    <223> similar to gi1232175 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<213> Homo sapiens

<220>

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<400> 7317
                                                                       60
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atcacaagca gcacaggaca tectaacaag etttegetge tgeetgacag eetetcaaac
                                                                      120
                                                                      180
gtqqaggqaq atgaaggcaa acagcgaaqq gaattccaqg qcaqctqcaq qtqqqatqqc
agcacacaga atcccaaggt gggaacagca gtaggcgtca tggtgttatc gtgctgtgga
                                                                      240
aactaggcta ctggaatcta tacttcaatc cacattttct ttactcatga aggaaataca
                                                                      300
ttgaaaaaac tattacctct accagttatt cacqaaggaa acacttcgga agaattgatt
                                                                      360
acctctacca cttatctata gtcttatcag aaaacttact atcaggtggt tgttttgtta
                                                                      420
cctatttttt tcacttaaaa gttgtgtaac tccctttaat gatccaaaaa ttagagcggt
                                                                      480
acttgcatat gcagtgacag tttaaagggt aagtagttag cttgaatttc cqaactaggg
                                                                      540
atgaatgaag gtgttagctg gctttgcttt taagaaacaa aatgtgacag tagagattta
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aatgatggtt ttggaacaaa cataaacaca gggtaaagag gccaaaagac caaagctaac
                                                                      660
agctatttta gttcagcaac atgcatttca cggccactat gatatgtctg gcactaattc
                                                                      720
catacatatc cagcaattcc toggacttcc cactotgggg cactocogac actgocagcg
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aatgaacctg aatgtcagga tccatggaga cggctgcgca gacaqcttcc ccqatqccac
                                                                      840
cttgcgggta gtgatcctcc actgtaatga tccggccctc tqtqqctttt qcactqqaqa
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cgatggtggc gacatccaga ggtttaatgg taaacaggtc gatgacacgg ataaaaatat
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cttgtttcga aagctcatca gcagctgcta aggcctcata cacagtaatt ccagctccaa
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taactgtgac cttgtcactg acacagtggc ggaggacctt ggcctgtccg atctcaaaqc
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gttcttgtgg ggtgtaaata accatagttt ctggtcgggt ggtccgaatg aagcacatcc
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cettggcatt ggctgccaga gcaacagcat gctccgtgga gacggcatca gttgggtaga
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agatcgtgca cttgggaatg gttcggaaca tggctatatc ctccagggcc atctgggaag
                                                                     1260
caccategic accaacagat accccacagi gggaaccaat aatgitgatg tigeteteag
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cgaggcctcc tatccggatg tgatcaaatg ctcgagtcag aaaggcagca aaggtgctag
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caaaagcaat ggtccgtcca cgggaggcac agcccagagc cacgctcacc atgttttgtt
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cagccataaa gcactcgatg aagcgctcag ggtactcctt gttgaatatc tcaqaqaaaq
                                                                     1500
tagagtacct ggtgtcacca tccagcacaa cgactctgtt gttcgcgtag cccagcttag
                                                                     1560
ccagagccag accgcatgct ttccgagtag ctatcttgtc accaactctg taatcaggtg
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gagaggtcat cettacatet gtgatgttga etteaggtga gteeteaatg gggggetgtg
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ggtcaagatt cctgctggtc tgtatctggc tctcaattaa tttgataatg gcatctgctc
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tttctctcgg cattggcttt gcatgccaac tttctgcatc ctcaatactt ggggtgcccc
                                                                     1800
ggcccttgaa ggtcttggcc accacagcag tgggcttgtg cttcacctga gaagcctgcc
                                                                     1860
agaatacctg gcacagtgcc tccacgtccc ggccgtccac cacataaqtq ttccacccaa
                                                                     1920
aggettegea gegeetetga tagatgttta tgeagtgete ggegggeaat geaceaetgt
                                                                     1980
gtcccaggcg gttcacatca aagattgcca caagattgtc cagactgtag taggaagcaa
                                                                     2040
aggecattge eteccagaca gageettetg aggactegee ateaeteatg aggeagaaca
                                                                     2100
cccggtagct ggccctgtcg aagtacttgc cagtatatgc cattccacat gcaactccca
                                                                     2160
gtccttgtcc gagccatcct gttgccacat ccacaaacga cagtctcttt gcgaggacaa
                                                                     2220
ateggtegtt gteeggatte tetggatetg aetgettgta ceteatqatq taqaaqaaca
                                                                     2280
gcacagacat gatctcagaa gaactgctac atgatgtagg gtggctgaaa gacagacatg
                                                                     2340
acactggtca tttctcacag caactggctt cctagcacac gacctcggca catggtctcc
                                                                     2400
tcatagaagc ggtcatttct cccagc
                                                                     2426
```

```
<210> 7318
<211> 1820
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
```

<222> (1131)...(739)

<223> similar to gil217656 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 7318
tttttttttt tgttattttt atttttcaat ataaatagag acagggtctt gctatgttqc
                                                                       60
ccaggetggt ctcgaacace tggcettgaq caatcettee accteageet cqqqaaqqqe
                                                                      120
tgagattaca ggtgggagcc actgcgccca gccagcagtt tcagttacat tatagagaga
                                                                      180
gtttaatggc atttccacag ttcaggacca gggaaagaaa cacagaggct gcctggccct
                                                                      240
atgtgaaact tttgggggcc gactccaggc ctgagcctgc tctgagggga tcagtcatgt
                                                                      300
ccccgcctta gtcccaggac ctgagggagc tctggattgg tqqcttqqcc caqaqccaqq
                                                                      360
tggatggcag tgttgagggg ctggtgcttg agactggttg gcagagtggg ccctgtgctg
                                                                      420
aggatgggac atcttggtca caggtcgcat gaggttcctg ctgagaaggg ctaggggatg
                                                                      480
atcatccatc ttcatgggtg tgttccggtt gaggaaactc agtcccagaa gtqaqcttqq
                                                                      540
aaagggcggc tcagcccaat gctccggagc tgaagtggtg ctgggacgtg gctcaagacc
                                                                      600
cgagcttgct gcaggagccc attccccttc tgtcagaggg ggtggtccgc caggagacag
                                                                      660
tettgeatet ggtecaggaa geagacagtt cagtetgete gggtgtecag ggecacacag
                                                                      720
cctgggggtg tcagaggaac tgggctccgg tacttcaagt aggacaggta cgtgtcccag
                                                                      780
cccagcgtca ggccgttgat gtaggtgact cgaaattggg ggggcacgaa gaggaaqttc
                                                                      840
acgaactgcg cagcaggcca cacgcaccag tctgccttgt agaattccca gaacttctcc
                                                                      900
cgcagctcct ggcagctctc acccactgtc tgaccctcca ggcagccaag gcccaagaag
                                                                      960
taccagacgc ccagcaatgg agaggctacc agctgatcca cgaggacctt cttgaggaca
                                                                     1020
tttgggaagc ctcggaggcc agacgcaggg aataggcggt ccagcgacaa gtaccagtag
                                                                     1080
tgcaggaagg gacccatgct gcagcccacc gcaaacatgc tcgcggagcg ccgtgaaaac
                                                                     1140
actgagetea gttacacttg aattttacag tacagaagca ctgggatttt atgtgeettt
                                                                     1200
ttgtaccttt ttcagattgg aattagtttt ctgtttaagg ctttaatggt actgatttct
                                                                     1260
gaaacgataa gtaaaagaca aaatattttg tggtgggagc agtaaqttaa accatqatat
                                                                     1320
gcttcaacac gcttttgtta cattgcattt gcttttatta aaatacaaaa ttaaacaaac
                                                                     1380
aaaaaaactc atggagcgat tttattatct tgggggatga gaccatgaga ttggaaaatg
                                                                     1440
tacattactt ctagttttag actttagttt gtttttttt tttttcccta aaaccttaaa
                                                                     1500
acttactcag cgggttgcaa aaaaggggag ttttcatatc accaatttgt accaaaattg
                                                                     1560
aattttttca taaactaaaa ggtaaaaccc atttgggcct taacccatga ccactttttt
                                                                     1620
atttcggaat tttccccctt cactgaaaaa aaagaagggg aacataaggt tttattggca
                                                                     1680
tagcctatgg aaaagggcaa aaacttcaaa acatgtgtat gtattattqq qactatqqat
                                                                     1740
ccaggttttt tgcatgttaa tatctttcgt tagggataag gaatttacaa aacagtgaca
                                                                     1800
tttgattcaa tggttgagcg
                                                                     1820
```

```
<210> 7319
<211> 1924
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (61)...(1445)
<223> similar to gi5912131 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7319
cccacqcqtc cgcaacaaga acttctggtg agtttggcta ctgtgatttt tgttgcaagt
                                                                       60
caaaaggcat tgtctgtgga aagtaaggca gtaattaagc agcagcttga aagtgtctcc
                                                                      120
aatggatgga ctgtataccg tattgccaga caggcttcca gaatgggtaa tcatgacatg
                                                                      180
gccaaagagc tttatcagag tttgctgact caggttgcct caaaacattt ctacttctgg
                                                                      240
ctaaatagtt tgaaggagtt ttcacatgca gaacagtgtc tcactgggtt gcaagaggaa
                                                                      300
aattatagtt cagcactttc ttgcattgct gaatctttaa aattctatca caaagggatt
                                                                      360
                                                                      420
gcttccttaa cagcagctag tacaccactg aatcctttaa gctttcagtg tgaatttgta
aaactcagga ttgacctttt acaagccttc tctcaactta tctgtacttg taatagcctg
                                                                      480
                                                                      540
aagacaagcc caccacctgc aattgccaca acaattgcca tgaccttagg aaatgacctc
                                                                      600
cagaggtgtg gtcgcatctc caatcagatg aaacagtcca tggaagaatt tcgaagcctt
gettetegat atggagatet ttaccaggea tettttgatg etgaeteage aactttgagg
                                                                      660
                                                                      720
aatgttgaac tacagcagca gagctgttta ctgatatctc atgcaataga agccctgatt
                                                                      780
ttggatccag aatcagcaag tttccaggaa tatggatcta ctggaacagc ccatgctgat
agtgaatatg aaagaagaat gatgtctgta tataatcatg tcttggagga ggtagaatca
                                                                      840
                                                                      900
ctcaatggga aatatacccc tgtttcttat atgcacacag catgcctctg caatgccatc
attgctttgc tgaaagttcc cctttctttc cagagatatt ttttccagaa actacagtct
                                                                      960
accagcatca agettgetet gteaceateg ecceggaate etgeagagee cattgetgte
                                                                     1020
                                                                     1080
cagaataacc agcagctggc gctaaaggta gagggagtgg ttcagcacgg atctaaacca
                                                                     1140
ggactettee gcaaaattea gtetgtetgt etgaatgttt ettecacaet gcagagtaaa
                                                                     1200
tetggacaag actacaagat acceattgac aacatgacca atgagatgga gcaaagggtt
                                                                     1260
gaacctcata atgattactt cagtactcaa tttctgttga actttgctat ccttggaaca
                                                                     1320
cacaacatta cagtggaatc ttctgtgaaa gatgccaatg gtatagtatg gaagactggt
cccagaacta ccatatttgt aaaatccctg gaagaccctt attcccagca aattcgctta
                                                                     1380
caacagcagc aagcccagca gccattacag cagcagcagc aacgcaatgc ctacacacgg
                                                                     1440
ttttaaccat ggaatgaatg cactgcagac tctcaagaga tcaatcaaat tgccagaaac
                                                                     1500
agtttggttt ttcatatgga ataagtatta aagttacagt gtagttcatt tattcattga
                                                                     1560
tttttgtaat gtaatattct ggaaaaaatt ttgttttctt aaaaattttg tctgacagct
                                                                     1620
gggcgtggtt gctcacgcct gtaatcccag cactttggga ggctgaggtg ggcggctcac
                                                                     1680
gaggagatca agaccatcct ggctaacaca gtgaaacccc gtctccacta aaaaatacaa
                                                                     1740
aaaaattagc cgagcatggt ggcaggcgcc tgtagtccca gctacttggg aggctgaggc
                                                                     1800
aggagaatgg tgtgaacctg ggaggcggag cttgcagtga gccgagactg tgctccagcc
                                                                     1860
tgggcgacag agcgagactc cgtctcaaaa aaataaataa atacattttg tctgaaaaat
                                                                     1920
                                                                     1924
aaaa
```

```
<210> 7320
<211> 2124
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (106)...(1543)
<223> similar to gi5701850 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7320

tgtcgtgggg ctggagcaga gcctgccgcg aacccccgga gcccacgatc cctcgtgcca 60
tccctcgaat ccaccagcac gagcgtccca cccgcgcctg ggaccatggc cactgactca 120
tgggccctgg cggtggacga gcaggaagct gcggctgagt cgttgagcaa cttgcatctt 180
```

```
aaggaagaga aaatcaaacc agataccaat ggtgctgttg tcaagaccaa tgccaatgca
                                                                      240
                                                                      300
gagaagacag atgaagaaga gaaagaggac agagctgccc agtccttact caacaagctg
atcagaagca accttgttga taacacaaac caagtggaag tcctgcagcg ggatccaaac
                                                                      360
teceetetgt aeteggtgaa gtettttgaa gagettegge tgaaaceaca getteteeaa
                                                                      420
ggagtctatg ccatgggttt caatcgtcca tccaagatac aagagaacgc attgccactg
                                                                      480
atgettgetg agececcaca gaacttaatt geceaatete agtetggtae tggtaaaaca
                                                                      540
gctgccttcg tgctggccat gcttagccaa gtagaacctg caaacaaata cccccagtgt
                                                                      600
                                                                      660
ctatgtctct ccccaacgta tgagctcgcc ctccaaacag gaaaagtgat tgaacaaatg
ggcaaatttt accctgaact gaagctagct tatgctgttc gaggcaataa attggaaaga
                                                                      720
ggccagaaga tcagtgagca gattgtcatt ggcacccctg ggactgtgct ggactggtgc
                                                                      780
                                                                      840
tccaagctca agttcattga tcccaagaaa atcaaggtgt ttgttctgga tgaggctgat
gtcatgatag ccactcaggg ccaccaagat cagagcatcc gcatccagag gatgctgccc
                                                                      900
aggaactgcc agatgctgct tttctccgcc acctttgaag actctgtgtg gaagtttgcc
                                                                      960
                                                                     1020
cagaaagtgg tcccagaccc aaacgttatc aaactgaagc gtgaggaaga gaccctggac
accatcaaqc aqtactatgt cctqtqcaqc aqcagaqacg aqaagttcca ggccttqtgt
                                                                     1080
aacetetacg gggccateae cattgeteaa gecatgatet tetgecatae tegeaaaaca
                                                                     1140
gctagttggc tggcagcaga gctctcaaaa gaaggccacc aggtggctct gctgagtggg
                                                                     1200
gagatgatgg tggagcagag ggctgcagtg attgagcgct tccgagaggg caaagagaag
                                                                     1260
gttttggtga ccaccaacgt gtgtgcccgc ggcattgatg ttgaacaagt gtctgtcgtc
                                                                     1320
atcaactttg atcttcccgt ggacaaggac gggaatcctg acaatgagac ctacctgcac
                                                                     1380
eggateggge geaegggeeg etttggeaag aggggeetgg eagtgaacat ggtggaeage
                                                                     1440
                                                                     1500
aagcacagca tgaacatcct gaacagaatc caggagcatt ttaataagaa gatagaaaga
                                                                     1560
ttggacacag atgatttgga cgagattgag aaaatagcca actgagaagc tccaccagcc
actgatgcca gccctggcac tgcccctgca caggagacaa gtgcgttcag ggcacaggcc
                                                                     1620
cegacateac cecaaggaca aeggeacaag tagagagaaa etacetacet caetteaaat
                                                                     1680
tatgtttgga cttgacaaaa atgtatgcaa atgatggggg atggtagaaa aaaattattt
                                                                     1740
acacaacctt ggaagattag gcatgaatac acagagattt accttttgga agtttcatct
                                                                     1800
tttaatttgg ccagtgtttc cttcatgcta atctagatgc tgtggctgat tacttgccca
                                                                     1860
ggateteetg tggeageete tgettgttet etggettgga gtggatgggg eageeteeag
                                                                     1920
ctcctgctcc atttgcttcc cagctcatac cctctgctcc acctccacta ttgcaggact
                                                                     1980
ttcctcagat gctgggctat gtcatagaga agttggttgt cctgtgactt ttcctctcca
                                                                     2040
gtttctcaga tcttgaggac ggtattttct cccccactgc actctgttat cgcgttccta
                                                                     2100
acagtaggaa attgggcatc atat
                                                                     2124
```

```
<210> 7321
<211> 1238
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1173)...(625)
<223> similar to gi4014 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7321
ttttttttt ttgagacgga gtctcactct gtcacccagg ctggagtgca agactccgtc 60
tctagagaaa aaaagaaaac cagacagatt aaaaagttgc acttacaaag cagttggggc 120
atttattgac atttaaacaa gggaggagat cctgaacact agtctcgctc agtttataaa 180
aacttgaggc caaactctcc atcatctgta cacagcttaa ccacggccag gagcaagaat 240
```

```
300
tcgagttaaa cgaattgaac cagtccaacc acaagacgat aaagggaaac agggcgtggg
gatttccagt ttttcctttt acattacaaa gtttccaaca caagaagcca acaatacccc
                                                                      360
agtgctgcac caagttactt cccactgttt cccaaggcac agtcaattaa taatcagtag
                                                                      420
tccaagttct aagaacattt cctggaaaac aaggacgcac ctcccgtggc tctatgcatg
                                                                      480
                                                                      540
gcctgccact gatgaatcaa attcttaaga acctacgacc gtctgatacc cttgaggaga
gcacceteat agaateteea gcateaggee teagttttee catetgtaaa agacageeat
                                                                      600
gcaaagtggg agatccgcta ggcttccaga tcgaagtcat cgcgctcctc attgtactct
                                                                      660
                                                                      720
ageacgtgee gettgatett ggacgagtee acceaagtga caaagteete catgetgege
gtgacaagga aggcggggtc ggtaaccacg tcagggccca cgcgtacgtg cccttgctcc
                                                                      780
acaaaggcca cggcagcctg aaggtgctgc gccatgcgca gcttgaggag cacggtgggg
                                                                      840
                                                                      900
aggeggegge ggeagaagga egaggeegtg aegaagtege agageteeag egaacegege
gtgggcacca agccgagagc atacagcttg tccagcagcg cggccgaagc gcgcacgcgg
                                                                      960
aactggtcgc gttcgggcag gtcgcgcagg cgccgcgcca gctcacgcac ggcacggctc
                                                                     1020
agetggttgt agegegtgta gteeteeege egetgeagee ggtaaegeeg eageaegege
                                                                     1080
agetegtgea ggttgtggte ggtgacetee cagtteagga agteeacetg etteageage
                                                                     1140
ttctgctcgt ggaacttaag cttccgcacc atgatggcgg cagccgcagc cgcaggaccc
                                                                     1200
gaagctgaga gcgcgttctg gcatccgcgc gatttccg
                                                                     1238
```

```
<210> 7322
<211> 2529
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)...(1151)
<223> similar to gi5326823 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7322 gggattgtgg gaaaagatgg cggctgccgc acaatcccgg gttgtccggg tcctgtcaat 60 gtcacgttct gccattactg caatagccac atctgtgtgt cacggcccac cctgtcgcca 120 gcttcatcat gccctcatgc ctcatgggaa aggtggacgt tcctcagtca gtgggattgt 180 ggccactgtg tttggagcaa caggattcct ggggcgatat gttgtcaacc accttggacg 240 catggggtca caggtaatca taccctatcg gtgtgataaa tatgacatca tgcaccttcg 300 teccatgggt gacetgggee agettetgtt tetggaatgg gacgegagag ataaagatte 360 tatccgacga gtagtacaac acagcaatgt ggtcatcaat cttattggac gagactggga 420 aaccaaaaac tttgattttg aggatgtttt tgtgaagatt ccccaagcaa ttgctcaact 480 gtccaaggaa gctggagttg aaaaattcat tcatgtttca catctgaatg cgaatattaa 540 aagctcttct agatatttga gaaataaggc tgttggagag aaagtagtga gagatgcatt 600 tccggaagcc attatcgtaa agccgtcgga catctttgga agagaggata gattccttaa 660 ttettttgea agtatgeate ggtttggtee tatacecett ggtteettgg getggaagae 720 agttaaacaa ccagtatatg tcgtagatgt atccaaagga attgttaatg cagttaagga 780 teetgatgee aatgggaaat cetttgettt egttggteee agteggtaee teetttteea 840 cctggtgaag tacatctttg ctgtggctca cagattgttc ctcccattcc ccttgccgct 900 ttttgcctat cgatgggtag caagagtctt tgaaataagc ccatttgagc cctggataac 960 aagggataaa gtggagcgga tgcacatcac agacatgaaa ttgcctcacc tgcctggctt 1020 agaagacett ggtatteagg caacaceact ggaacteaag gecattgagg tgetgeggeg 1080 tcatcgcact taccgctggc tgtctgctga aattgaggat gtgaagccgg ccaagaccgt 1140 caacatttag tgcctcctga gcagctcttg gttttggcgt cttttgggtc ggcccatgtg 1200

```
gtttgagcac ccagccaggc ggtctcttta gaggatcctg tacacagttc cactattaaa
                                                                     1260
acatttcagg ttgaattctg cagtattttc ttccttgatt tacaaaatga gaaatgtagt
                                                                     1320
                                                                     1380
cacttagaac ttgagcatga tttttgttaa acatatttaa taatgatata tatacctatt
                                                                     1440
tattcctctg aaatgcccag agagtttgaa ttttccctat gacaaaccac ttctatcata
cgttctagaa gacaaggacc ctttttaatg tcaaagtatt gtaaagaccc caagtgatat
                                                                     1500
gtgattgttt tttaatttcc attaaatgag agagcataca gtatccccta acctgaatgt
                                                                     1560
                                                                     1620
gtttacactg aaggtgtttt taaaaatttat tttaataatg tccatatgcc ttttaaaaaat
aqtaqtacat atataqaaaa acattgtcca tagattctca aaccccttgc agtaattcca
                                                                     1680
                                                                     1740
cagtettett ggatetgage tatetgagge cageeegatg ceettagtae cacatetgga
ttatttcaga cacataggtg gagatagatt ctcttcccat gcaaaggaga tgcttcagct
                                                                     1800
tctatgccag cagtgccagc acttaggaat tatgaccttc taatgaagtt cttaaaattg
                                                                     1860
                                                                     1920
cagccaagac ccagatgaac aattggttta gtgttggcaa atcccaccag tacagtgtga
tttaaaactc ccacaatttg tggtgaagcc aacataccac catcctaggt gacccagggt
                                                                     1980
tggtcattgt gtttcactgg acttcagect cetgatetat atttgggaca gggatgtcag
                                                                     2040
taaaaatgct gtttgatgag ggaatgcccg tctccttaca gagagaaagg tatatcagtg
                                                                     2100
ttgaaggtaa gttctccacc tgccctttct gcctgcatca gaatcttttt atcccaaaac
                                                                     2160
ggtcaacagt gagctactcc aagtgtggtc catagatcac cagcattggg atcatcttgg
                                                                     2220
ggcttgttag aaatgcagaa cccgggctgg gcacagtggc tcacacctgt aatcccaacg
                                                                     2280
ettttgagtt getgtggtgg gaeggteget tgaggeeagg agtttgagae eageetagge
                                                                     2340
aatatggcaa gaccttgtct ctacagaaaa atttcaaaaa gttagtaggg catggtggca
                                                                     2400
cgcacctgta gtctcagtta ttcgggaggc taaggtatga tgattgcttg agcctgggag
                                                                     2460
ttcaaggtta cagtgagcta tgatagtgcc actgcacttc agcttggact gaagatcctg
                                                                     2520
tctcagaaa
                                                                     2529
```

```
<210> 7323
<211> 1140
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (672)...(291)
<223> similar to gil633566 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7323
gttttgggta ttaggccccc tggcgaaaag gggatgtgct gccaaggcga tttaattggg
                                                                       60
gaaccccccg ggttttcccc ccccccgtt gttaaacccc ggcccgggga attgaatttt
                                                                      120
gggggcccca taaaaaaaat attaccttgc cagcccgggg acgtaaactt ggatccttta
                                                                      180
aaacggcccc cccttttttt tttttttaag tcacaggcgc atttattatt gtctggaaca
                                                                      240
tcaaggcctt tcctcccctg gcagtggcac aagggagggc caactctcag gaggcggcca
                                                                      300
egetgecace ageageagge ceatggggtg geagggteat gggeggeaga aacagegeet
                                                                      360
teagettgee tgacaggetg gegateteag gateetggge ttegtaggae ttgaccaage
                                                                      420
gagcaaactt aaggacacct teeeegtege agetgaagee ataggetttg ataaceteet
                                                                      480
gctggatctg cgtggccacg ggcagcacga attgcagcat cttacccatg tcgttgcagg
                                                                      540
egttateceg agestegtee atgegeactg catteteegg ggeggagaac geetggatea
                                                                      600
cctccgcgag gaccaccttt gcttgctcag cgctcaaggc cgccggttgg gtcgaggcgg
                                                                      660
acgccatagg gcgtctgaag ctctaggttc agcggaggta aatggaaaac tcacgaataa
                                                                      720
agagecaegt cetacaaeeg tteccaaege eeetgggage ggaaaggaaa eageateegg
                                                                      780
cgcagccgga agcgcccagg cgtggcccaa accttcatac cccaagctta caactgcatc
                                                                      840
```

```
aagaccacca aaactaccca taatttttgc acagtgaaaa caatctatca ttggcaacaa 900 acatcataag aggggctttc cggtaaaaag ccagaaagcc tactagacaa attctaaaag 960 agctgtaaca ctgctgcgta tgtgtttgga gagaagatgg gatataaagg aactccacaa 1020 ttgatgaggg tgagcttagg tgacttttt cttgttccta ttactgtata aacaacgacg 1080 catgtggtaa ctttcagtag gaaaaataat attctaagga acttacttaa gtcattcaaa 1140
```

```
<210> 7324
<211> 2340
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (65)...(1172)
<223> similar to gi3005696 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7324 ggatgtcccc cacagcccaa cctgaacacc ttgagttgaa tcacgctcag cttggcacga 60 gggggaagac caaattgata gactggactt tattcgaaac cagatgaacc ttttaacact 120 ggatgttaag aaaaaaatca aggaggttac cgaggaggtg gcaaacaaag tttcatgtgc 180 aatgacagat gaaatttgtc gactgtctgt tttggttgat gaattttgtt cagagtttca 240 tcctaatcca gatgtattaa aaatatataa aagtgaatta aataagcaca tagaggatgg 300 tatgggaaga aatttggctg atcgatgcac cgatgaagta aacgccttag tgcttcagac 360 ccagcaagaa attattgaaa atttgaagcc attacttcca gctggtatac aggataaact 420 acatacactg atcccttgca agaaatttga tctcagttat aatctaaatt accacaagtt 480 atgttcagat tttcaagagg atattgtatt tcgtttttcc ctgggctggt cttcccttgt 540 acatcgattt ttgggcccta gaaatgctca aagggtgctc ctaggattat cagagcctat 600 ctttcagctc cctagatctt tagcttctac tcccactgct cctaccactc cagcaacgcc 660 agataatgca tcacaggaag aactcatgat tacattagta acaggattgg cgtccgttac 720 atctagaact tctatgggca tcattattgt tggaggagtg atttggaaaa ctataggctg 780 gaaactccta tctgtttcat taactatgta tggagctttg tatctttatg aaagactgag 840 ctggaccacc catgccaagg agcgagcctt taaacagcag tttgtaaact atgcaactga 900 aaaactgagg atgattgtta gctccacgag tgcaaactgc agtcaccaag taaaacaaca 960 aatagctacc acttttgctc gcctgtgcca acaagttgat attactcaaa aacagctgga 1020 agaagaaatt gctagattac ccaaagaaat agatcagttg gagaaaatac aaaacaattc 1080 aaagctctta agaaataaag ctgttcaact tgaaaatgag ctggagaatt ttactaagca 1140 gtttctacct tcaagcaatg aagaatccta acaatagaga ttgctttggt gaccatgata 1200 ggaggaaacg aaacttgtaa gattggaaca gttgttattt ttatgaaatt actttaaata 1260 tgaattgtac taactgtacc taaatagcaa agccctgtgt agattctggt aatgatctgt 1320 ctcagggtat gtgtattttt gaagagtgtt atgtccttag ttttaatttt gagtaaagaa 1380 aaggctaaaa tcatgaatta gttacaagca acagtaccaa cttatgtgac ccctgagggg 1440 tggggctgtg agctcttaat ttgtttttga ttctgaaaaa ctctgcttcc tggcatccag 1500 gagttagaga ttgagccttt catcttcttt ctcaaaacta gtttttgatg ctttctttca 1560 tgggaatagt cacttttta tttagtaaat cgcattgctg gaaccaccaa ggagtgtgga 1620 atgtccttga gtgtattatt tatgcaagtc acagtcacgt tgccatcatg gcagctatgt 1680 gaaacactaa taaatgtgtt tttacttttt attcccatta aaactgatgt aaaacaggat 1740 aaaggettgt tatagteact tataagtate tgggtetaag taattteett agatgtttet 1800 aaagaaacat tttcagcttt gctcccatta tgattccaat aaggaacgct ttcctagtgc 1860 aattttagga gtaaagtttg aagagataaa aatagccaaa gataggagac gtctgaattt 1920

```
<210> 7325
<211> 1142
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (58)...(561)
<223> similar to gi5639830 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7325
ggaaatcccc gggccagctt ctgtactgcc aggtccgggt cggcggctgc actgcgqatq
                                                                      60
agaccggtgc gactcatgaa ggtgttcgtc acccgcagga tacccgccga gggtagggtc
                                                                     120
gcgctcgccc gggcggcaga ctgtgaggtg gagcagtggg actcggatga gcccatccct
                                                                     180
gccaaggage tagagegagg tgtggegggg gcccaeggee tgetetgeet ceteteegae
                                                                     240
cacgtggaca agaggatcct ggatgctgca ggggccaatc tcaaagtcat cagcaccatg
                                                                     300
tetgtgggca tegaceaett ggetttggat gaaatcaaga aqeqtqqqat eeqaqttqqe
                                                                     360
tacaccccag atgtcctgac agataccacc gccgaactcg cagtctccct gctacttacc
                                                                     420
acctgccgcc ggttgccgga ggccatcgag gaaqtqaaqa atqqtqqctq qacctcqtqq
                                                                     480
aagcccctct ggctgtgtgg ctatggactc acqcaqaqca ctqtcqqcat catcqqqctq
                                                                     540
gggcgcatag gtgaggctcc caccggcccg cttgcccgcc ccggctctca cagcgtggtt
                                                                     600
tgcatccctg gcaccacgtg tctgaaggct gagaagaccc acatgctqtc aqqqcacttt
                                                                     660
gcttgcagta gagatatctc taatgaggga tacagctttg taaaacacag gcaaatacat
                                                                     720
aaataaacca aagcaggatt ccttaagaac tcaccaggtg ataaaagcaa gttgcctaag
                                                                     780
ggtcaggggg cttcatgatt ccggctccat aaagaacaga tgaagactac aaatgtgttg
                                                                     840
gggccgttag gagtggttac cgtgagagag cccattcccc cgacacctac tccggcttgc
                                                                     900
gttctggaag gtatgtgact cacaaagccc taactcgggc cggagggctc agtgggcaga
                                                                     960
gttgatctgc agttctgcag atgaggcaga gacacttttc ttccagtggc ccttatttqq
                                                                    1020
agaagcctgg cagaagggcg tgagcctatc caagcagcta tctattggtg gttctctgtc
                                                                    1080
atcctgcctg gtgcaggggt gcgggtgagg gtggagagtg tggagaacct gtctagccaa
                                                                    1140
cg
                                                                    1142
```

```
<210> 7326
<211> 709
<212> DNA
<213> Homo sapiens
```

```
<222> (225)...(616)
     <223> similar to gi2648022 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7326
tggaggaccg ggtcgagcca cgcgtccggc gtttcgccca ccatcttctg gggacagggt
                                                                    60
ggagtccata tccgggacgg gggggaggtg gcggtgcccc tcagggctac ctctcaagag
                                                                    120
tgctatcatt tccgcaggcc agatcagaaa agggagctca ggtaccttcc agagagtgag
                                                                    180
acccagegee ettgtetege acceagtagg ettteatece egecatggeg gagetgatee
                                                                    240
agaagaagct acagggagaa gtggagaaat atcaacagct acagaaggac ttaagtaaat
                                                                    300
ccatgtcggg gaggcagaaa cttgaagcac aactaacaga aaataatatc qtqaaaqaqq
                                                                    360
aactggccct gctggatggg tccaacgtgg tctttaaact tctgggtccg gtgctagtca
                                                                    420
aacaggagct gggggaggct cgggccacag tagggaagag gctggactat atcacagctg
                                                                    480
aaattaagcg atacgaatcc cagcttcggg atcttgagcg gcagtcagag caacagaggg
                                                                    540
agaccettge teagetgeag caggagttee agegggeeca ggeageaaag geagggete
                                                                    600
660
ctaggatcta tactgtagct aataaaatgt aaaaacacct ggaaaaaaa
                                                                    709
     <210> 7327
     <211> 732
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (125)...(527)
     <223> similar to gi4689136 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 7327
cccacgegte egeceaegeg teegeceaeg egteeggett eetgettege eteegegeet
                                                                    60
cgcgctatgg gacagagccc ccgatccgcc agcaccacct gaggatccag aaaccgcccc
                                                                   120
agcgatggaa gaggatcagg agctggagag aaaaatatct ggattgaaga cctcaatggc
                                                                   180
tgaaggcgag aggaagacag ccctggaaat ggtccaggca gctggaacag atagacactg
                                                                   240
tgtgacattt gtattgcacg aggaagacca taccctagga aattctctac gttacatgat
                                                                   300
catgaagaac ccggaagtgg aattttgtgg ttacactacg acccatcctt cagagagcaa
                                                                   360
aattaattta cgcattcaga ctcgaggtac ccttccagct gttgagccat ttcagagagg
                                                                   420
cctgaatgag ctcatgaatg tctgccaaca tgtgcttgac aagtttgagg ccagcataaa
                                                                   480
ggactataag gatcaaaaag caagcagaaa tgaatccaca ttctagtcct ttatgcagta
                                                                   540
tacaaggaga actgtcctgt aggatattct cttcttgatg gtgcagaacc cagaattaga
                                                                   600
agtttgtggt tacagcatac tctgtccttc agaaaggcgt gattctagct gttgacccct
                                                                   660
tgcagctgtt ggaatctctg caagaacctc tgtattcttc taataaattc cctctttat
                                                                   720
ttaaaaaaaa aa
                                                                   732
```

<220>

<221> misc feature

```
<210> 7328
<211> 2155
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (226)...(1346)
<223> similar to gi4092648 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7328 ggctgcgcgg cggcagcggc agaaagcgta gctgctttgc tgtagtccac gcccccttgc 60 cgctccggtg acagtctctg cggaaagtca cgtttgtgat ttcgggagag cacagaacgg 120 gacgacggcg ctcttgctgg gtcatctggg ccaggtgacg aagaaacagt ttcctggtga 180 agcagtecet caccectagt cageecacae ecetagggee taaagatget gaggtetgta 240 tggaattttc tgaaacgcca caaaaagaaa tgcatcttcc tgggcacggt ccttggagga 300 gtatatattc tggggaaata tggacagaag aaaatcagag aaatacagga aagggaggct 360 gcagaataca ttgcccaagc acgacgacaa tatcattttg aaagtaacca gaggacttgc 420 aatatgacag tgctgtccat gcttccaaca ctgagagagg ccttaatgca gcaactgaat 480 tccgagagcc tcacagctct gctaaaaaac aggccttcaa acaagctaga aatatgggag 540 gatctgaaga taataagttt cacaagaagt actgtggctg tatacagtac ctgtatqctq 600 gttgttcttt tgcgggtcca gttaaacata attggtggat atatttacct qqataatqca 660 gcagttggca aaaatggcac tacaattctt gctcccccag atgtccaaca gcagtattta 720 tcaagtattc agcacctact tggagatggc ctgacagaat tgatcactqt cattaaacaa 780 gctgtgcaga aggttttagg aagtgtttct cttaaacatt ctttgtccct tttgqacttg 840 gagcaaaaac taaaagaaat cagaaatctc gttgagcagc ataagtcttc ttcttggatt 900 aataaagatg gatccaaacc tttattatgc cattatatga tgccagatga agaaactcca 960 ttagcagtgc aggcctgtgg actttctcct cgagacatta ccactattaa acttctcaat 1020 gaaactagag acatgttgga aagcccagat tttagtacag ttttgaatac ctqtttaaac 1080 cgaggtttta gtagacttct agacaatatg gctgagttct ttcgacctac tgaacaggac 1140 ctgcaacatg gtaactctat gaatagtctt tccagtgtca gcctgccttt agctaagata 1200 attecaatag taaaeggaca gatecattea gtttgeagtg aaacaeetag teattttgtt 1260 caggatetgt tgacaatgga gcaagtgaaa gactttgetg ctaatgtgta tgaagetttt 1320 agtacccctc agcaactgga gaaatgattt ttccttcaag aaaaactaca gtgggattca 1380 tttacttttt aaaatacact gggtaaatca cctatactta gagtaacagt ttgttatcaa 1440 aatgcctgat aaaatatatt cttaataaaa gtcttcattt cataatgaaa tcaatttatt 1500 tggcatctta atatatttt ttagattcat caacagacca gtttttgtgg gcatatatat 1560 atacacgtgc aaatatcaga attgttaata atttgttaca catggacatt tgttccaaac 1620 tgactaaaaa tcaatataga tattttatat acatatata atatataaat acaaaattca 1680 gtgtacttta ccatattaat actgaggaaa aatctgttgg agacataggt ctaggatgtg 1740 tgaagtttgg aaaaatatgc tatttaatta taatgttccc ctagactgct gtaaaccaga 1800 agtgaatcca gacttttcct cccagcctac ctttcaaaat aataaattat ttqtcctcaa 1860 atataccett gatggaggae ttttttattt ettatggaaa tagtgaatte ecaacaacta 1920 tgatgaacta tgttctttgc ctatttcttc actatattt tttaaggttt tttttaaaaa 1980 gccttagaaa gttccatatt ggtttagggg ctaaaattgg gttgatgctg tttcccccc 2040 taattacata gttttaatcc tttggccata attttaaaaa cttcctttgt tttgattttg 2100 aatccagtga aaatcttttt gcaataaact attttagtaa aataaaaaaa aaaaa 2155

```
<210> 7329
<211> 1785
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (1786)
<223> n = a,t,c or g

<220>
<221> misc_feature
<223> in = a,t,c or g
<220>
<221> misc_feature
<221> misc_feature
<222> (1687) ... (1261)
<223> similar to gill96417 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters
```

<400> 7329 ttttttttt ttctgaaaaa caaaaaaac atttatttct gtaaactgtc tgagtgcaga 60 gatgttettt acaateecaa tacagtacag atttetteee caaaaegaaa tgageaagga 120 aaaacagaaa aagagctata tcaaatgtgc tcatgaagaa ccaagccaat ctcacctttc 180 tttaaaaaca aaacaaaacg atcettttga ttgtgtggtg cagacgcagg actgaagcca 240 caggettttg gggtgetgtg ageccaggge tttgetcage teacagetag egeggeggge 300 agageaacce tteggeeeaa geeateeteg eagettgeae agaagettee tgaacetaag 360 ggatccgttc ccagctctcc ttaaattccc agtccccacc ctgggcctct ctccctaacg 420 atettgtege tttgggagee eetgaagtga accetgaaat acteceteeg teaactetgg 480 gctcagacct ttgcccttct ctgtgtcaca aggaaatttc ggtcaagagg gtgggaacag 540 gtggtttcag accgtgcagc aaagccactg ccaggtaagt tttaaggcaa attttatctc 600 ttettattea gtetgageeg gacetaacet teteaceace gageaateet geetatgetg 660 gacatgcatc ttgggcaact ccggatggag gtgggatgag ggagcccggg gcagatacca 720 ggaggtctgg gccttagtag ggaatggacg tgtgtgctta tgaaggctgc aggcaccggg 780 cacagetect ggeecagetg ecceteagtg gtacacagga ageagggeec aggaaaactg 840 agatggcaaa ataggcccgg gctctggaaa gcaacgtgag gtcatgcaga tctcactagg 900 cagacctcgt cgcgtggaag agaaatgcca ggaaaagggg tcactgcagg aggcacctcg 960 gatctgatgg caggcaggac cttgcatcaa aatgactttt ctttagaaca aaaaagaggg 1020 ggagaaaaga aaaagaagat caaagaaaga ggttccatga gcgtcatgag ataggacacg 1080 gcagggttct aagggaagcg ggaaggtggg ggctgtggac acagggtggc gggcgctgcc 1140 teteatgget tetettetee etggtggget ggtgggetag tagetgagge eggeggteet 1200 ctccccggg gagcaggcag atgactttgg caaggggtgg tgtggcgggg gctggggtta 1260 ctccgtctgg gcgtcgtaat tggctccccc cgccttcttc agctcgctct tgatgaaatc 1320 ttcctccage tccttccgat cactgatcac aaactcctta gcgaaattct gtacgacctc 1380 cttcaccagg gtcttgtccg tcccggtttt ggcgcgctgc agcccgctga cgttctcacc 1440 gatecaegtg atgagggeaa aettggaeet ettgeteatg geateceegg tggtgaageg 1500 cacgaaggca aacaaccgga cgtcatctgt gcactgctgg atgaagtgct ggtactccgc 1560 tecetgeteg eeggggaega tggtggagee gteatattta aaagteacee agatgaegge 1620 cgagccgtcg tcgcgcacca ggttgtacgc cgcccggcaa gcctctttgt cgatcttggt 1680 ggccatcgcc gcggagccgc agcgggacac tgtccggggc gaccgagcgc gcccccgnac 1740 gcgtggttct nnngnnnntt tcgagggcnt caggatgctt cagat 1785

```
<210> 7330
<211> 2687
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (225)...(1196)
<223> similar to gi509243 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7330 accegegacg acgatttegt getecetgag egeceegeac egacatggeg geegtetteg 60 ctgtggtgac tttaactctc ggttttcggt tatagccggc cggcgctcac ttgtcttcag 120 gaagctcgga gcctttggtg gagccgggga gaggaagggt gggtgcaaga gtgaaaggcg 180 agaggggact gcaagcatcc gggtcggctc ctggccggag caagatggct gagggcgagc 240 ggcagccgcc gccagattct tcagaggagg cccctccagc cactcagaac ttcatcattc 300 caaaaaagga gatccacaca gttccagaca tgggcaaatg gaagcgttct caggcatacg 360 ctgactacat cggattcatc cttaccctca acgaaggtgt gaaggggaag aagctgacct 420 tcgagtacag agtctccgag gccattgaga aactagtcgc tcttctcaac acgctggaca 480 ggtggattga tgagactcct ccagtggacc agccctctcg gtttgggaat aaggcataca 540 ggacctggta tgccaaactt gatgaggaag cagaaaactt ggtggccaca gtggtcccta 600 cccatctggc agctgctgtg cctgaggtgg ctgtttacct aaaggagtca gtggggaact 660 ccacgcgcat tgactacggc acagggcatg aggcagcctt cgctgctttc ctctgctgtc 720 tetgeaagat tggggtgete egggtggatg accaaatage tattgtette aaggtgttea 780 ateggtaeet tgaggttatg eggaaaetee agaaaaeata eaggatggag eeageeggea 840 gccagggagt gtggggtctg gatgacttcc agtttctgcc cttcatctgg ggcagttcgc 900 agctgataga ccacccatac ctggagccca gacactttgt ggatgagaag gccgtgaatg 960 agaaccacaa ggactacatg ttcctggagt gtatcctgtt tattaccgag atgaagactg 1020 gcccatttgc agagcactcc aaccagctgt ggaacatcag cgccgtccct tcctggtcca 1080 aagtgaacca gggtctcatc cgcatgtata aggccgagtg cctggagaag ttccctgtga 1140 tecageactt caagtteggg ageetgetge ceatecatee tgteacgteg ggetaggagg 1200 ggccaagccg aagagccacc caggccacag ttcctgtgcc tgccttcccc accccagcag 1260 tggcccctcc ccatcccctc cctctgttcg tcccgtttga tgagaggctg tttactgggg 1320 tggggtggcg agatgggctt gagggggctc agagcataag gcttcagggc ccaagttggg 1380 agaagtgacc aaagtgtagc cagttttctg agttcccgtg tgctagactg gccagaagag 1440 agggtctggg gcctggtcac tcggccactc tctcctgttt ctggcctctt ctcccttcac 1500 tcccgtccag tctggttttg agagcagggg ctgttctgca gcacctcagg gaagggagga 1560 gagatacctg ctgcttccat tgcttttccc ttcctggagt cgatgccttt ctaagggttg 1620 gagetgetee ttgcagggge gggtcagttt cccaggccat geeggggtgg ccatctatge 1680 1740 gtggtggaga ggccttagct gtcctggctg gtgcccctcc caggctcctt ttcaccctgc 1800 cccctgggcc tgaggccccc tgtgtccaag cctcccctg gctcttcagt tctctagccc 1860 ttggctttgc tgggtttcct gactgtagcc acatctctcc cgctccctaa gggtaaccta 1920 gccaatggaa gctgcccttt gggtaggtgc tgggctcctg ggagggccca gatgatgggg 1980 tgaggcatgt ctttccagaa ctttccctgg cagggagggg atggcagaaa ctcagggagg 2040 ggcttggggc ccattgtatc tggagagcct ggattcctct tggcagtctt aggcccagcc 2100 acttetgeta cetttgeget getgtgagee teaccetggg cecetgggee etgettetet 2160 gctcccctgg gtgatgggtg ggcccagaag gtggcagtcc cacaccttgt cctcccacct 2220 ccctgaactg tccattgctt ttatagggtg aggtaagtga cagcctccca agcccaggct 2280 ttggcactca gaatgggccc agtgggggct gggcaggccc attgagggcc accgccgagg 2340 tttctcctag ggctgttcct gggcctggct cttacaggct cgtcccccag gcctgccctt 2400 ctccactgcc ccctcctgtg tctgggtcca cacacccttc aggaaggggg agcactgaga 2460 agcacagcac aggggctcag cctgggatcc ggtgatggtc tgggcagagg ctgggtcagg 2520

```
agteccaaag gteagtgaca gttteteaga agaggeeeag egtecaeete teteccaggg 2580 eeagacaee etteetgget eececateee eetatgget eecageeeet tgeaeeetea 2640 ttgetgttea gattaaagee tetgttttge acetgteaaa aaaaaaa 2687
```

```
<210> 7331
<211> 2155
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (435)...(1981)
<223> similar to gil230668 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7331 cgcacttccg tagaggtgga catggcgtgc ggctttcgcc gcgctattgc ttgccaggta 60 tggatcccgg agcgcgcaga ggagtccctg aggagctagg gaccccaaag gcctttcacc 120 getgegggee agteeteagt cagetggagg gtgggteeca eggaateetg ttagttteta 180 ccacctcctc ccccttctct ggagctggtg gagcttcaga agtcctgtgg agcgtcggct 240 gggatcagtt tgtctcggtg aaaagtaaac tttgaaagct ttccagagtg ttgaatcttc 300 caccagaaaa cttgatcaca tcaatatctg cagttccaat ttcccaaaaa gaagaagtag 360 ctgattttca gctttctgtg gattctttat tggaaaaaga caatgaccat tcaagaccag 420 atattcaagt tcaagccaag agactagcag agaagctaag atgtgataca gtggtgagtg 480 aaatcagtac tggtcaaagg actgtaaatt tcaaaataaa cagagagctc ttaacaaaga 540 cagtgctaca acaagtaatt gaagatggct caaaatatgg attaaaaagt gaacttttct 600 ctggacttcc ccagaagaag attgtggttg aattcagttc acctaatgtt gccaaaaaat 660 ttcatgttgg acatttgcgt tctaccatca taggaaattt tatagcaaat ctcaaagaag 720 ctttaggaca tcaagtaata agaataaatt accttggcga ttggggcatg cagtttggtc 780 ttctgggaac tggcttccag ctgtttggct atgaggaaaa actgcagtcc aatcctctac 840 agcatctctt tgaagtttat gtacaagtta ataaagaagc agcagatgat aaaagtgtag 900 caaaagcagc acaggagttc ttccaacgat tggaactggg cgatgtgcaa gcactttcac 960 tgtggcaaaa atttcgggac ttgagcattg aagagtacat tcgggtttac aagcgtctgg 1020 gagtatattt tgatgaatat tcaggagaat cattttatcg tgaaaaatct caagaggtct 1080 taaagttgct ggagagtaaa ggactcctac tgaaaacaat aaaaggaacg gctgtagtag 1140 atctctctgg gaatggcgac ccctcctcaa tttgtactgt aatgcgaagt gatgggactt 1200 ctctctatgc aaccagagat cttgcagctg ctatagatcg aatggacaag tataattttg 1260 atacaatgat atatgtgaca gataaaggac aaaaaaagca ttttcagcaa gtattccaaa 1320 tgctgaagat catgggatat gactgggcag aaaggtgcca gcacgtgccc tttggagtag 1380 tacagggaat gaagactcga agaggagatg tcactttcct ggaagatgtt ttaaatgaga 1440 ttcaattaag gatgctacag aacatggctt caattaagac aactaaagaa ctcaagaacc 1500 cacaagagac tgcagagagg gtcgggctcg cagcactcat tattcaggac ttcaaaggtt 1560 tactcttatc tgactacaag ttcagctggg atcgtgtttt ccagagtcgc ggggacacag 1620 gagtetteet acagtacaca cacgecegee tecacagttt ggaagagaet tttggatgtg 1680 ggtacctgaa tgacttcaac actgcttgtt tacaagagcc acagtctgtt tcaattcttc 1740 agcatcttct caggttcgac gaggtgcttt ataaatcatc tcaggacttt caacccaggc 1800 atatcgtcag ttaccttcta actttaagtc atcttgcagc tgtggcacac aaaacactac 1860 aaataaaaga tagtcctcct gaagtggctg gggccagact tcatcttttc aaagctgtcc 1920 gttctgtcct agccaatgga atgaaacttc ttggaataac acctgtatgt aggatgtaat 1980 ttccattaaa atggctttta aaatgtcaaa aaaaaaaaa agggggggcc cttttaaaag 2040

2100

```
<210> 7332
<211> 2119
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (1642)...(1065)
<223> similar to gi3098268 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters
```

<400> 7332 tttcaaaggg tttaaattgg ggaacccccg ggtttttccc cccccccgt ttttaaaagc 60 eggeeeegga atttaatttt ggggeeeect aaaaaaaatt ttaaetetee caeeeeeggg 120 aattaaaatt ggttctttta aaagggcccc cccttttttt ttttttgaga gaaataaaac 180 aatttaatga tggcttcctt gatttacaca caactctaag acaagaggac aaaattttct 240 ctccatgcac tggtacaacg aagttcaggg acaagaggca acccaagtac aggggctgtg 300 gtgttcagat ccacgctcag cctcgagtct catgttccaa ccgaccgtct ggctcagtga 360 ctgtggacac tggggagagg agggactgcc cagacccctc aagtgcaggt gaggggaccg 420 gcagcagagt atgcatgggc actccatgcc ccagtgcgag aagtgcacag gggacagcga 480 acaccagett ccagtgcacc ctgaagaccc agtgggctca gggggcccag ctctcccatc 540 agagetgtee teagggetgg agetggggge tggggetgag gegetgggge tgggagggag 600 gtggtgataa agaaccactg cagaaaggaa cacatgctga atgctgggcc atgctttcct 660 cccagacact gagttcctga agacccagct ttatcttcca agggtaacaa cattcccaag 720 actcagaget ggaaggegge aagagtggag ccaggagaga cagategeat ccaetcetga 780 ggccgcctcg aatgtctcca ttcccttctg gcctgccttc cccctccctt caaccccaaa 840 gacccaagaa gacaacagag atcagagacc acatccctct tccctaatca aaatagccaa 900 gtacaacatt tctaaagtta gggagaagga ggaaaaatgc cacaggcttt taaagggaag 960 actggaaccg agggaaggga gaagtagccc cctgctttgt ccagcctgga agctggcagc 1020 catggtgttg gggccttgac ccaaccacac cagcccatct agctgagcat cttgtgccga 1080 tegaagactg tetteegetg etcetgeace tgeagettee accgetgetg ggeacettee 1140 acacgeteca ggaetgtgtt tgeteggggt ceeeegaggg atgeageage tgetgeeata 1200 gagegageat ceteattete etecteattg tgeagttget cagtgtatge atceggettt 1260 cggatcagag ggtccaccag catcaggaag gccatgtaga gcaacagggc acccaccacg 1320 gacaggtaga tgacaatgat gaccttgatg gtggtggtgc tgcgctcctc gtacctgcac 1380 tegeacagea ggeagtagge etceacgtea tggecaggea etggeatggg etceaceacg 1440 tgcaggcagt tgcagtcctt ctgggataca ttctggttgt aaatgtgccc actgatgttt 1500 ctataaggtg gacagatgca tttgcaccgg atatcttcag aactctccct caccttgttg 1560 gcttcagctg ggggcaccag caaacacccg accacagcca ccaaagataa gagcttcatg 1620 cttatcaggc ttgctgggcc agcaaagccg gacacctgga aaaagagata cggagtcgga 1680 gaaggggaag gtggccacac cgcagccagc acgctaggcc cttaaccatc cggccaagtg 1740 ggaatggggt tgggggctgg gctccaggat tccaaggcct gctaaacctg gtcgccaaac 1800 cctgcttccc tcccgccaa ctctccggct ctccgccagc cacctggtga gcccggcaga 1860 ggggtcctcg aggggacacc gctgccaggg gcctccagtt ccttctcaag gcccggctct 1920 gaccegegea teaegteeca eegeceteeg ceateteege etetgeeege eeegeagete 1980 ctccccgctc gggcccgacg ggaacttttg ggtgcgagtc tgggacccct gctccgacgg 2040 cgaaggccgg tgcccaccac gcccagaggt cttaagccgg actgggaccc ccaatagccc 2100

```
<210> 7333
     <211> 1295
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (126)...(1016)
     <223> similar to gi162941 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 7333
ggacgcgtgg ggaatgaata tattcgcgcg ctctttgttg ctgcctttat tcttccttcc
                                                                    60
ccagcatece egeteegeee ggteaceeag aeggeettet ccagcettge egagettaag
                                                                   120
accepteect geteetgace ateaceptea etggggteae tgtgetegtg ttggteetga
                                                                   180
agagcatgaa ctccaggagg agagagccaa tcaccttaca ggaccctgaa gccaagtacc
                                                                   240
cgctgccctt gattgagaaa gagaaaatca gccacaacac ccqqaqqttc cqctttqqac
                                                                   300
tgccttcgcc ggaccatgtc ttagggcttc ctgtaggtaa ctatqtccaq ctcttqqcaa
                                                                   360
aaatcgataa tgaattggtg gtcagggctt acacccctgt ctccagtgat gatgacagag
                                                                   420
gctttgtgga cctaattata aagatctact tcaaaaatgt acacccccaa tatcctgaag
                                                                   480
gtgggaagat gactcagtat ttggagaaca tgaaaatcgg ggagaccatc ttttttcgag
                                                                   540
600
cgagtgagcc taaaaaaaca ctggccgatc acctgggaat gattgctggg ggcacaggca
                                                                   660
teacacceat gttgcagete attegecaca teaccaagga ecceagtgae aggaecagga
                                                                   720
tgtccctcat ctttgccaac cagacagagg aggatatctt ggtcagaaaa gagcttgaag
                                                                   780
aaattgccag gactcaccca gaccagttcg acctgtggta caccctggac aggcctccca
                                                                   840
ttggctggaa gtacagctca ggcttcgtta ctgccgacat gatcaaggag caccttcctc
                                                                   900
ctccagcgaa gtccacgctc atcctggtgt gtggcccgcc accactgatc cagacggcgg
                                                                   960
ctcaccctaa cctggagaag ctgggttata cccaggacat gattttcacc tactaacacc
                                                                  1020
tecaegtget cageaatttt geatgteest ttteatetgt tteagagtaa gtteaattte
                                                                  1080
accacggtaa actgggatgt tttcaaaagt gccttgccat gtaccttcqc qcacacactq
                                                                  1140
gttctcctct tttggctgtg ggcctaacaa aaagggctca aggggctgga gactggctgc
                                                                  1200
tggggcctcc ttgcttggag gctggaaaga gctccatttc agtatctttc tccgtggttt
                                                                  1260
tgtgaaataa actcaagtac aaagcaaaaa aaaaa
                                                                  1295
    <210> 7334
    <211> 4422
    <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc feature
    <222> (503)...(1541)
    <223> similar to gi5730196 in the genepept database release 114,
```

```
<400> 7334
gatattagaa aaaggattcc caagccagtg ccacccagaa aggaaatgga aagttgatga
                                                                       60
                                                                      120
cgtgttagag agcagccagg aaaatgaaga tgaccatttt tgggagcttc tattccacaa
caacaaaaca gtaagtgtag aaaatggaga tagaggaagc aaaactttca atttgggcac
                                                                      180
agaccetgtt tetttaagaa attateeeta taaaatatgt gaeteatgtg aaatgaattt
                                                                      240
                                                                      300
gaaaaatatt tegggettaa ttattagtaa aaagaaetgt teeagaaaga ageetgatga
gtttaatgta tgtgagaaat tgctccttga tattaggcat gagaaaatcc ctattggaga
                                                                      360
gaagtettat aaatatgate aaaaaaggaa tgecattaat tateaceagg ateteagtea
                                                                      420
gccaagtttt ggccaatctt ttgagtatag taaaaatgga caaggcttcc atgatgaggc
                                                                      480
agcatttttt acaaataaga gatctcagat aggagagaca gtctgtaaat ataacgaatg
                                                                      540
tggaagaacc ttcattgaaa gtttaaagct gaatatatct caaagacctc atttggaaat
                                                                      600
ggagccgtat ggatgcagta tttgcgggaa gtccttctgc atgaatttaa ggtttggaca
                                                                      660
tcagagaget ettacaaagg acaateetta tgaatataat gaatatgggg aaatettetg
                                                                      720
tgacaattca gctttcatta tccatcaggg agcttacaca agaaagattc tccgtgaata
                                                                      780
taaagtgagt gacaaaacct gggaaaagtc agctctctta aaacatcaaa tagtacacat
                                                                      840
ggggggaaag tettatgatt acaatgaaaa tgggagtaat tteagcaaga agteacatet
                                                                      900
tacccagctt cggagagctc acacaggaga aaaaaccttt gaatgtggtg aatgtgggaa
                                                                      960
aaccttctgg gagaagtcaa acctcactca acatcagaga acacacacag gagagaagcc
                                                                     1020
ctatgaatgt actgaatgtg ggaaagcctt ttgccagaaa ccacacctga ccaaccatca
                                                                     1080
gcgaacacat acaggagaaa aaccctatga atgtaagcaa tgtggaaaaa cattctgtgt
                                                                     1140
gaagtcaaac ctcactgaac atcagagaac acacacaggg gagaagccct atgaatgtaa
                                                                     1200
tgcatgtggg aaatcettet gecacagate ageceteaet gtgcateaga gaacacacae
                                                                     1260
aggggagaaa ccgtttatat gtaatgaatg tggaaaatcc ttctgtgtga agtcaaacct
                                                                     1320
cattgtacat caaagaactc acactgggga gaaaccatat aagtgtaatg aatgtgggaa
                                                                     1380
aaccttctgt gaaaaatcag ctctcactaa acatcagagg actcacacag gggagaagcc
                                                                     1440
gtatgagtgt aatgcatgtg ggaagacctt tagtcagagg tcagtgctca ccaaacatca
                                                                     1500
gagaattcac acaagggtga aagctctttc aacatcctga atgttagaag ccttcataca
                                                                     1560
cttgtgaaat tggttataca gtttcaaaaa aggagatcag agaaagccaa agaatgtcag
                                                                     1620
aaatttgtag aaaatgactt cttgtttgaa tatgtaaaag ctttcaagaa aaattaaaac
                                                                     1680
ttttcattag aaaatttgta ctgaggggaa ttctattcat ctaagtaata tggtgaaaat
                                                                     1740
atttatctgg aatttatgtt gtttagtgtt atattccaga cgtgatacca aaattttgtt
                                                                     1800
gcaaatataa tggacaatat ttatttatac ccatattcac agtggaatct gaagcttata
                                                                     1860
aaagttgaat gacagcagca ttaaacatat atgtgaagag tccccgatgt ttgtagacct
                                                                     1920
tatgtgagta tgcaaatata taaatttgag tatgcttgat ttgtatattg gaactcaaca
                                                                     1980
tgatcataag gagaagatac gtacccttaa ttgagtaact actatggtat ttgttaatat
                                                                     2040
tttctacact aaataccatt ggtgtcttta taggttgaca taattatata tgtgtatgta
                                                                     2100
catatgtttg tgtgtatatg taaatatatt tctacacaca tacttaaata tagtgatgtg
                                                                     2160
ctagtataac ctcatactga cttaaaagtt ctgattgtta aattttaagg aattttgtga
                                                                     2220
gccagttatt aaaagcagtc attatttaaa atatgtaaac ttacagttaa aaacaaaggt
                                                                     2280
aataaatact cagcactcat cacttcctaa ttattttgct acatttcact attacctttg
                                                                     2340
ctgttttact tatttaatct gtatgatgaa aatactgtat aatagtgtgc actgcacatc
                                                                     2400
tgtctcttcc cagctccaca ttcagtgctg tcttggtagc ttggacttag tgggagtgtt
                                                                     2460
tacaccatgg aaattgacaa actataaatc agggttttaa ttttctcaga gaacctgctg
                                                                     2520
tcaaatattt acagcacatc actgtgtata tatgaaaacg tatttggcaa tacaaaccac
                                                                     2580
ataccectte tattteetga cataaataaa tggetatgge catttacage tgaaccaegt
                                                                     2640
cttcaagaaa gaagccaaaa atatttccgt gaggttttta actacctctg aatctgtcct
                                                                     2700
actctaaata ctaccggagt ctctttgtag gttggccagt atatgttttt agtgaaatat
                                                                     2760
tatttcacaa agaactatat cacgtacctt teetetgaet gttteetgge atatatgeat
                                                                     2820
gaatatggcc attattgaac tatcacttca gtaaagaagt taaacagtac ttttctgagg
                                                                     2880
tttttcagct acctctgggt cattctgtaa tgtaaatgtt gttaatagga atgggttttt
                                                                     2940
acataaatta tggcaagggt taacaggcag gtaacactgc cactcctcaa aaagtqqcqq
                                                                     3000
tatgtaatga aaggeeettt tgatateett gattttteat tgtgtatetg tttgggeaeg
                                                                     3060
```

```
gtctatgtaa cactagttct gcgtattagt attttagagt atctctgcct cccttgtcct
                                                                     3120
gttgtttctt ttgccccctt ggaacacatt ggtcagcagt tctaagagac actgcccaca
                                                                     3180
tgatgaccat tecetactte atcettgetg agetaaattt tatatttttg tgeateette
                                                                     3240
tcccagatga cttaggtggt aagtccagat tagtcaaagc taatcatgga agttccattt
                                                                     3300
taatgattct gttggggtga acttgggagc aatgagatgt ttgggaagta ttgtgtagta
                                                                     3360
cttctgggaa agatctcctt gatacaacat tgtcatgaca tgagaagaga ctctgctggg
                                                                     3420
ctttttcatg tetgtaacat ggtattgget tategttttt atetetgaag ggeagtagee
                                                                     3480
tgaagataac agtgcacaag gtgggaaaag ccagctcaga ggtgacgttg ccgagctact
                                                                     3540
ctgctctcta tacctgttct ctactgggac tttttataac cctcaataac tgttttttat
                                                                     3600
ttggtcttag ggctgtctga tacttagagc tgaaggcatt ccagctgaca cagaggaata
                                                                     3660
tttttctaag tgttaatgtt ctatatggta attaggggga agaattattt cttttcacaa
                                                                     3720
gttaatatag ggatggctgt ttgtatcagc catggttctt tctggtggaa aacagaattc
                                                                     3780
tccaactaaa aatattttaa tggcagactg attacagtgg tgtgggccag aaacaaggga
                                                                     3840
cagtgaaaca cccagagact tgtatcagca ggaagccatt gccattctga gccttgaagg
                                                                     3900
gcaaggaggg aaacagtgtt accagagccc agtaagaact gctgtcatga aggagggcc
                                                                     3960
accttgtaag agacatcatt actaccagaa ctgtggtgcc aaattgctgg tgtctctctt
                                                                     4020
                                                                     4080
tggagaaacc aaccagatac atctgctgga gagcccaggt gggcacagag aagggtggag
agagaatctg ggaagagaaa tggagaataa gcagcacagt gttattcatt tctgtaaatt
                                                                     4140
cctatgtaga aggctcagtg ttagaaataa agttattcta ctagttgcaa gttaagtgtt
                                                                     4200
tetgtttgtt etgettteet gttageataa gtaaaeteee tttggaaeta cacaggtatg
                                                                     4260
teteteette aacatgtgtg aageagaeat tatattaaat taeattatte ataceteeet
                                                                     4320
gtggtgtttc ttattgtatg tggtgtaagg taagcagctc tgtattcttc caaataaata
                                                                     4380
gccagttgtc cctgcactgt ttgattaaaa aaaaaaaaa gg
                                                                     4422
```

```
<210> 7335
<211> 2776
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)...(1263)
<223> similar to gil665795 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7335
cccacgcgtc cgctccaaga tggctgcctc catagtgcgg cgcgggatgc tcctggcgcg
                                                                       60
gcaagtggtt cttcctcagc tctctcctgc aggtaaaaga tacctgcttt cttcagccta
                                                                      120
tgtagacagc cacaaatggg aagcaagaga aaaagaacat tactgtcttg ctgatcttgc
                                                                      180
atctttaatg gataaaacat ttgagagaaa gttgcctgtt agttctttaa caatatcacg
                                                                      240
gettatagae aacattteet etegggaaga gatagateat geagagtatt acetttacaa
                                                                      300
gtttcgacac agccccaact gctggtacct gagaaactgg actatccaca cctggattag
                                                                      360
gcagtgtcta aaatatgatg cacaagacaa agccctatat acccttgtaa ataaggttca
                                                                      420
atatggaatt tttccagata actttacatt caatttactg atggattctt tcataaagaa
                                                                      480
agaaaattac aaagatgctt tatctgtggt ttttgaggtc atgatgcaag aagcctttga
                                                                      540
agtgeettee acceaactte teteceteta tgttttattt cattgeetgg caaagaagae
                                                                      600
agacttcagt tgggaagagg agaggaactt tggtgcatcc cttttgcttc caggcctaaa
                                                                      660
acaaaagaac tcagtgggtt tcagttccca gttgtatggc tatgcacttc ttgggaaggt
                                                                      720
ggagttgcag caagggctac gggctgtgta ccacaacatg cctctgatat ggaaaccagg
                                                                      780
ctaccttgac agagcccttc aagtgatgga gaaagtggct gcctccccag aagacataaa
                                                                      840
```

```
gctgtgtaga gaagcgctcg atgtgctgga tgcagtgctg aaggctctga cttcagctga
                                                                    900
tggggcttca gaggagcagt cccaaaatga tgaagacaac caggggtcag aaaaactggt
                                                                    960
ggagcagtta gacatcgagg aaacagagca gtccaagctt cctcaatacc tggaacgatt
                                                                   1020
taaggcctta cattctaagc ttcaagctct gggcaaaatt gagtcagaag gtcttttaag
                                                                   1080
tetgaceace eagettgtea aggaaaaact etecacetgt gaageagagg acategeeac
                                                                   1140
ctatgagcag aatctgcagc agtggcatct agaccttgta cagttgatcc agagagaaca
                                                                   1200
gcaacagagg gagcaagcga agcaggaqta ccaggctcag aaaqcaqcaa aggcatctqc
                                                                   1260
ctaaataggg tcccccaggg ccccacctgt tttcacaaga acttcactca accccgtgcc
                                                                   1320
agggactica gcagtggcct ggacaacagc ctcagcticc tctacccatc ttctttctt
                                                                   1380
aaagcagget atgtgeeeta catggeaagg caccatgaet geecategag atgeeaagaa
                                                                   1440
gggctatgga actatgcagg tggctagtgg tcagacaaaa gaaaaccagc tgaatacctt
                                                                   1500
aaggaggact cttgaggctc ataatggagt tcctggggca cagggattag ttatgagcat
                                                                   1560
taaagttcct aagacccagt gacagtactg ggagaaacca aggcttgaag agtcaggttg
                                                                   1620
aagcacaggc ttttgttttt tgttgttttt gttttttgag acagagtctc attctgtcac
                                                                   1680
ccaggctgga gtgcagtggc gcaatcttgg ctcactgcaa cctccgactc ccaggttcaa
                                                                   1740
gcaattetee tgccteggee teetttagta ggtgggatta caggtgcata ceaccacace
                                                                   1800
tttctaattt ttgcattttt agtagagatg gggtttcacc atgttggtca ggctggtctc
                                                                   1860
aacctcctga cctcaagtga tctgcccgcc tcagcctccc aaagtgctgg gatgataggc
                                                                   1920
1980
gtacatgagg ccaaggtgaa ctgtgcatcc tgagaccttg tgtccctgag tctcctttct
                                                                   2040
gagtgcaagc tgcactgtga gctggctgtg ggatactcac acattcccac attctccttt
                                                                   2100
etgecacate tegecettet ggacetgeae tgggagaaat teaggacagg agtgaactea
                                                                   2160
aggccatgaa ctcactggat ttccattttt aggcacccat agggatgttt ttaggatgta
                                                                  2220
agtttctgag gagaaagcta gctctagcat gaagcttttt tggattggct tctccatcgt
                                                                  2280
gttggggtaa catttttt ccaattttt ttttcccaaa acatcgtctc agctcattta
                                                                  2340
tcaagtaggt aaaatgagcc ttttgtgtac acacagaggc acatgtgcac gcacacaca
                                                                  2400
cttgtgaaca cacatttctg ttaaagaagt tagaaaatga gagatgggtt ggggcttgaa
                                                                  2460
gtgcatcaaa ggtatgaatg ttgtaaaact gtcaggagat gtaaaattcc tttctgaagt
                                                                  2.520
gtctcttctg tgaaagggtt cagagcagat tttgcttact atgtagtgtt gcccttaagt
                                                                  2580
acagtggtgt aattttattc aagattgtgc tcttctatca aaagcctctg gaaataaatg
                                                                  2640
ttccgggatc atgttagtgt actetttatc tttggggaaa gggaggaggg agagggactc
                                                                  2700
attattgtta ctatgatttt gaggagtgta ctttaaaccc tcccccatta aactatggga
                                                                  2760
tttattgtaa taatga
                                                                  2776
```

```
<210> 7336
<211> 1228
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (217)...(1118)
<223> similar to gi4775334 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7336
tttaggaagg tggctttgaa actcgcaggg ctgcttaaac aagagctaca gctattgaac 60 aaactgctta ccatttttag cttcaacaca ggaatgaggc agtgttgcca aacgccattt taagaatcct gcataaatag cttagctacc gatgactctg cctgttttag cttggctgaa 180 gaggaaataa aaacagaaca ggaggtggta gagggcatgg atatctctac tcgctccaaa 240
```

```
gatectgget etgeagagag aacageecag aaaagaaagt teeccageee teeacattet
                                                                      300
tecaatggee actegeegea ggacacatea acaageeeca ttaaaaagaa aaagaaacet
                                                                      360
ggcttactga acagtaacaa taaggagcag tcagaactaa gacatggtcc gttttactat
                                                                      420
atgaagcagc cactcaccac agaccctgtt gatgttgtac cgcaggatgg acggaatgat
                                                                      480
ttetactget gggtttgtca cegggaagge caagteettt getgtgaget etgteceegg
                                                                      540
gtttatcacg ctaagtgtct gagactgaca tcggaaccag agggggactg gttttgtcct
                                                                      600
gaatgtgaga aaattacagt agcagaatgc atcgagaccc agagtaaagc catgacaatg
                                                                      660
ctcaccattg aacagttatc ctacctgctc aagtttgcca ttcagaaaat gaaacagcca
                                                                      720
gggacagatg cattccagaa gcccgttcca ttggaacagc accctgacta tgcggaatac
                                                                      780
atcttccatc caatggacct ttgtacattg gaaaagaatg cgaaaaagaa aatgtatggc
                                                                      840
tgcacagaag ccttcctggc tgatgcaaag tggattttgc acaactqcat catttataat
                                                                      900
gggggaaatc acaaattgac gcaaatagcg aaagtagtca tcaaaatctg tgaacatgag
                                                                      960
atgaatgaaa tcgaagtatg tccagaatgt tatctagctg cttgccaaaa acgagataac
                                                                     1020
tggttttgtg agccttgtag caatccacat cctttggtct gggccaaact gaaggggttt
                                                                     1080
ccattctggc ctgcaaaagc tctaagggat aaagacgggc aggtcgatgc ccgattcttt
                                                                     1140
ggacaacatg acagggcctg ggttccaata aataattgct acctcatqtc taaaqaaatt
                                                                     1200
cctttttctg tgaaaaagac taagagcg
                                                                     1228
```

```
<400> 7337
tttttttcac ttcaatgctt tatttttaga tgatattaaa aacctcatta ggctccctga
                                                                       60
gggaaaagag tgttaaccac taacagaggc aggggaaaaa taaaggaaac agaaagataa
                                                                      120
gctaaattgt taacaaggaa agctcctcag ttggtctgag gatgctgtac aagctaaaag
                                                                      180
aaacttatta ccaagaccag gtaaatgact tgaggttgga gcttaatctt ttaccctcag
                                                                      240
gctagtaagg actagtcagg tttgtcaaag tggcatatgt ctttattatg atttccagat
                                                                      300
gggatctggt gggaggcggg tgggtagaag ggaaggcaga gaaaccttta aagattgtaa
                                                                      360
gctaagtgct ctataccttt atacaatacc aatgtgcttg agtctcccgt taagaggctg
                                                                      420
aaaactgggc aggcatacgc aagactgggt gcgagattca atggaatgtc aaatgaaact
                                                                      480
tagaatttat taatgtattt acataattta taatctttaa gcaatggccc cataaatata
                                                                      540
gactacaact ttacatatgc taagcaatag atacttgctt ttccccacca aaatacttgg
                                                                      600
gttaaaaaaa aaattgacag catttatacc accttcttca cttccactct tcttcctttt
                                                                      660
taaaccattg ctagtcattt tagaacatat gaaattcagt ttattccggg cagcttctct
                                                                      720
accatcacca tettgateat gagagettat ttaaaaaggt gecaataaeg tgtttggtgg
                                                                      780
cacacacatg acaaggtcag aagcaaaccc aggatgagct aggcatctgc tgctatcatt
                                                                      840
gttaatttac tgtacgtatc ctaggctaac atgttcaatg aaaagtgctt tagagatggc
                                                                      900
```

```
agagatgaaa tcatttccat cagtcctata aataacccat tttagcttca gacaataatt
                                                                      960
gtoctoccta cacttaaact atoctactat atgttaaatg atacaactoc ctotaacagt
                                                                     1020
ggtaacagaa accaaggaaa ttataatctc cacaaggtct gtttcttttc ccttaagaac
                                                                     1080
cacaaaagtg ctaattttcc ctttacaaat gttacataaa atcttgatta caaaactact
                                                                     1140
caacaactta atcctaccat ccatacaatt atatgttcct tttcagcaag gtcaaaagcc
                                                                     1200
aacgatgtag tccctttgta cactagagat tctttacata atagaagttc acagactgaa
                                                                     1260
atateattge tgeagtettt ggagaacaga actggteeat ttetgtgaat cetttttgea
                                                                     1320
cggagaagac tcaagactgg ctaggtgaaa actggtggca gggacccaag ccctcctqtt
                                                                     1380
aactttcagg accacctact tcatcatcaa gtctgagagg ctgaggttcg gtcagcagca
                                                                     1440
geteegettt ggetetgaag getgtetteg gagtttgaag eeettaeege cagatggeag
                                                                     1500
gttggcgtca gtggatggaa ttcttcgact aatttctata aagagttcat ttatgtttat
                                                                     1560
egegtttttt gegetggtet etacaaaaat tgeatgaata gagteggegt agteetttge
                                                                     1620
atctctctcc atgacttctc ttacatcgat aagatcacat ttatttcctg caatggcaac
                                                                     1680
tacaatatta ggtgggccat gctgtcgaag ctctttcacc caattcttta atqttqaaaa
                                                                     1740
tgtctcttct tttgtgatat cataaacgat tatagctgca gccgaccctc gatagtacat
                                                                     1800
tggtgctaag gcacgaaatc gttcttgtcc agctgtatcc cagattagga atttatgtag
                                                                     1860
ctcattttgg tactggacag tcttggtcat aaaagatgcc cctattgttg ggttgatgtt
                                                                     1920
tggatcaaaa ctgtcttcca caaaccgcca cacaatactc gatttaccta cacctgtatc
                                                                     1980
cccgagcaga cacactttga gctccctcag cgccatggcc cgggagccag gggcgcgggc
                                                                     2040
ggacgcgtgg gcgcacgcgt ggatctccgg gccggtaccg anagcgatca attggngtca
                                                                     2100
atnnccccac gcc
                                                                     2113
```

```
<210> 7338
<211> 1569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (96)...(963)
<223> similar to gi4929635 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7338
atcacgtgga cgctactcgc tattcccggc ctgttggctt cttccgcgct ggagtatcca
                                                                       60
gataggcgac acgccggcgg gcggctgagg cgggaatggc tgctgtactg cagcgcgtcg
                                                                      120
ageggetgte caategagte gtgegtgtgt tgggetgtaa eeegggteee atgaeeetee
                                                                      180
aaggcaccaa cacctaccta gtggggaccg gccccaggag aatcctcatt gacactggag
                                                                      240
aaccagcaat tccagaatac atcagctgtt taaagcaggc tctaactgaa tttaacacag
                                                                      300
caatccagga aattgtagtg actcactggc accgagatca ttctggaggc ataggagata
                                                                      360
tttgtaaaag catcaataat gacactacct attgcattaa aaaactccca cggaatcctc
                                                                      420
agagagaaga aattatagga aatggagagc aacaatatgt ttatctgaaa gatggagatg
                                                                      480
tgattaagac tgagggagcc actctaagag ttctatatac ccctggccac actgatgatc
                                                                      540
acatggetet actettagaa gaggaaaatg etatettte tggagattge ateetagggg
                                                                      600
aaggaacaac ggtatttgaa gacctctatg attatatgaa ctctttaaaa gagttattga
                                                                      660
aaatcaaagc tgatattata tatccaggac atggcccagt aattcataat gctgaagcta
                                                                      720
aaattcaaca atacatttct cacagaaata ttcgagagca gcaaattctt acattatttc
                                                                      780
gtgagaactt tgagaaatca tttacagtaa tggagcttgt aaaaattatt tacaaqaata
                                                                      840
ctcctgagaa tttacatgaa atggctaaac ataatctctt acttcatttg aaaaaactag
                                                                      900
aaaaagaagg aaaaatattt agcaacacag atcctgacaa gaaatggaaa gctcatcttt
                                                                      960
```

```
agtttcagat taaagaaagc tttgttttat tttgctttga gagaatggta tgttttctta
                                                                     1020
actataggtt attttataga gaatataaaa gtataaaaca ttaaaaataa ccctagatat
                                                                     1080
                                                                     1140
actttaaaat aatgttatat ttatgctaaa atatgtaaat tacactatac aaccatatga
                                                                     1200
taggttattt ctctaacctt gtcttctaac gttttaccaa aaattcataa tctaatagtt
tatcagtttt caatagatta aataaaatga ttactttaaa aataataaaa tttatctaat
                                                                     1260
                                                                     1320
ttaaagttga tattattttt ggccgttagt tatctattac tagtgatcag ttatactgtt
ttctatagct actttattta acagcacaga tttctatgca cctttactct ttcctcaacc
                                                                     1380
                                                                     1440
cttgtctcta tctgtacata attgctttgt cttgatgttt ctatcaacta tatcatgact
                                                                     1500
atctattggt tccataactc tgtatcatgt gtattttctt attctggtat accacaaatg
attcatgcaa atgaattttt ggtgattgaa aaatattaaa ttcccaattt aaagtaaaaa
                                                                     1560
                                                                     1569
aaaaaaaa
```

```
<210> 7339
<211> 1690
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (339)...(1033)
<223> similar to gi4102980 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7339 60 ttttttggta tcgattgggg ccggggacgc ggagcaggtg gccgcggcgg ggcagctggg 120 ccgccagctt ggtgcctcgg ggaccgtctc ccgctgcttt ggtcaccagc ccctgcccgc 180 ccgacccgct ccgttctccg gcctgcgagc cctgccggcc ggactttgcg ccgcgtccgg 240 cgctgctgct gcgctcgggg ccccgctcgg cgccggcggt gaccgggaag cccgcgttaa aggggcaacc gggaccctgg cccggtatgg ctgaagtcag catcgaccag tccaagctgc 300 360 ctggagtcaa ggaagtatgc cgagattttg ctgtcctgga ggaccacacc ctggctcaca gcctgcagga acaagagatt gagcatcatt tggcatcgaa cgttcagcgg aaccgtttgg 420 480 tccagcatga tctccaggtg gctaagcagc tccaagagga agatctgaaa gcgcaggccc 540 agetecagaa gegetacaaa gaeettgaac aacaagaetg tgaaattget caggaaatte 600 aggagaagct ggctattgag gcagagagac gacgcattca ggagaagaag gatgaggaca 660 tagctcgcct tttgcaagaa aaggagttac aggaagagaa aaagagaaag aaacactttc 720 cagagttccc tgcaacccgt gcttatgcag atagttacta ttatgaagat ggaggaatga 780 agccaagagt gatgaaagaa gctgtatcta ctccatcacg aatggcccac agggatcagg aatggtatga tgctgaaatt gccagaaaac tgcaagaaga agaacttttg gctacccagg 840 tggacatgag agccgctcaa gtagctcaag atgaagaaat cgctcgactt ctaatggctg 900 960 aagaaaagaa agcttacaaa aaagccaagg agcgggagaa atcatctttg gacaaaagaa 1020 agcaagaccc cgagtggaag ccaaaaacag ctaaagcagc aaattcaaag tcaaaagaga 1080 gtgatgaacc tcaccattct aagaatgaaa ggccagcacg gccaccacca cctatcatga 1140 cagatggtga agatgcggat tacactcatt ttacaaacca gcagagttcc acacggcatt tctcaaaatc agagtcctct cataaaggtt ttcattacaa acattaaaaa cctaggaatc 1200 tgccttgaaa atggactcac tatagcaaat attactgggt gatacagaat gaattctaca 1260 cttacttttt ttctcctgtg tttgcattcc tgggatttat cctcaagtgc atttctgacc 1320 ataagtaatt ttaattcatt tcaaatgttt tggttattca tgatcacttg ggcagtataa 1380 gaaaatgtag cttctgaata ttggccacct ctatgctgca tatacttctt gggatatagt 1440 atctaagacc tttgtaaact gccattttgt taggtatgga gtttggtatc tagggagtag 1500 1560 gccttattta gcaattcaaa ttttatggag atgaatgatc aaagtgaaac aatgtttgga

```
tgcaacgcag aataaaagaa tataagaaat agctttttgt tgcattaatg tatgatattt 1620 tgaaggacag agcctttgct ttttgtattc tttaagaaaa gcacaaccat aaagtatttt 1680 aaaaaaaaaa
```

```
<210> 7340
<211> 2423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (185)...(1090)
<223> similar to gi5565862 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7340 acagttatga ccatcattac gccagcttgg cacgaggcct cgtgccacag ccggcgaccc 60 ggagccgaga gcgggcggcg gagcctgagc tggacgcggc cacgccggcg cggcgggata 120 180 tgtggtgcct gtcataagct ccagagagct gccttccaca agaccagcag aagagtgggc aaacatgaaa tocaatootg ctatocaggo tgocattgac ctcacagogg gggctgcagg 240 aggtacagca tgtgtactga ccgggcagcc ctttgacaca atgaaagtga agatgcagac 300 gttccctgac ctgtaccggg gcctcaccga ctgctgcctg aagacttact cccaggtggg 360 cttccgtggc ttctacaagg gtaccagtcc agcactaatc gccaacatcg ctgagaactc 420 agtcctcttc atgtgctacg gcttctgcca gcaggtggtg cggaaagtgg ctggattgga 480 caagcaggca aagctgagtg atctgcagaa tgcagccgcc ggttccttcg cctctgcctt 540 tgctgcactg gtgctctgcc ccacggagct cgtgaagtgc cggctgcaga ccatgtatga 600 gatggagaca tcagggaaga tagccaagag ccagaataca gtgtggtctg tcatcaaaag 660 tattettagg aaagatggee cettggggtt etaceatgga eteteaagea etttaetteg 720 agaagtacca ggctatttct tcttcttcgg tggctatgaa ctgagccggt ccttttttgc 780 atcagggaga tcaaaagatg aattaggccc tgtacctttg atgttaagtg gtggagttgg 840 tgggatttgc ctctggcttg cggtataccc agtggattgt atcaaatcca gaattcaagt 900 tetttecatg tetggaaaac aggeaggatt tateagaace tttataaatg ttgtgaaaaa 960 tgaaggaata acggccttat attctggact gaaacctact atgattcgag cattccctgc 1020 caatggagca ctctttttgg cctacgaata tagcaggaag ttgatgatga accagttgga 1080 agcatactga agtgtcttgg tgggcctgag ccaagcacag gtgtttgagg actacagttc 1140 atctcagggt ttcttggagt acaagaccag tgtgaagtta ttctgatttc ttgggaattt 1200 tgctttttgt cttcccttct accctacatc ttaaacttta tggaagaacc tctattttgc 1260 atcatatcat ttcctgtccc ataattgtac tggaatagaa agagtgaccc gctcttgctc 1320 ttggtaaaaa tatagagtgg tcagtagcct tatgcaccta attccaaagg tggaatatag 1380 ttctgtcagg gcttttacgt aaacctccac ttgtacatgc aatttggaca gttatgtgtt 1440 gagggaaata cagtttgagt accttgttta tttcaaatat cagaaaaacc cagaggtgat 1500 cattleteat gaagatgett ataaatggtt gettaaccca ttetagatgt agggtetget 1560 taatgtgtgt acttttctaa gtggttgatt attttttatt tttttgatac ggagtctcac 1620 1680 ttgtacttca ctatgccata tgtatgtatt cactgaccaa aaattcactg accaaccaac 1740 caaactccac acttcatctg atcccccata gacttgggga tggacagctg ttctttggcc 1800 atatggtata agaggatcat tettgteact aettaagtta geeteateat tttgtgetge 1860 tccaacacca gcagggtatc tcccaataaa gtgttcctaa gcagcctgta tactgagtgc 1920 aagcaggcta tcaattttaa taatagtcca taccatgtat gtgtttctgt cagcagaatg 1980 tacatgttgt acaaaacctc caggttcctt aagctttttg ctgtccatga atcctctgtg 2040

```
gcaactgtaa tcacagagcc agaagccaga gggccaggga tatgagagc tgacaaacat 2100 caggggacat ctggggagga gatccctgtc atgtctcttg tgccatggag ctattatggc 2160 tggtcttcca tttgctttt ctttaagtga aaaccatttt tctactttgc ttttctccc 2220 atacttaaat ggtcagtagc tactgagtgg tgctttatct gaataggcct ggatcgaagt 2280 aaaatagaaa tgggactggc tttccacagg aagtaaactt gctttcagga gcccacaagt 2340 cccctgctca gtgtccggaa agaagtcagt catcctgtt gggcagtgaa atcttcccac 2400 aggcccgtcc aattagagaa ttt
```

```
<210> 7341
<211> 1585
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1358)...(1216)
<223> similar to gi4973019 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7341 ttttttttt tttttttg cctctaacag aagcatcaag ccactgactt aatatcccat 60 gagetectae tatgatgaca taacatgtea catttattge tettacetae ttectaaqtt 120 actgettgee taataaggaa aagggeaaga aataagagte caaaagacae teagaacaee 180 agcagcagct ttcaagtaag gactcagggt cagggtctca caactcctcc atttcatgtt 240 tcatttacat tgtcttcgtg ctccagcagc aaggctgaca tgtgctttgg ggtaggagcc 300 tggagtattt ctgccagatg gtctgaggtg acgtatactc ctagagccca agtgaccacc 360 agaagggaca tgtgagacag caggcagagg ccatacatgg aggatcacac tccctcagac 420 gtcatcagcc ccatgcttta tcctttgact cccctgatc ctcaaggcca ggtggggtgc 480 ccctgctgca tgctccagag aactgtgggc ctctcctacc atgqctctca atqcactqtt 540 ccataactgg cttctcccct ggacagagcc accetggtct ccttgtaagc tttagttggg 600 cttgtccctg agtgtgtggg gtaggaatag gagtgtgttc ttgtgtatgt tgcaatcttt 660 aggctcagga gacaaggagt tagacctgag tcctgacatg tgcactcatt tgtactcacc 720 attacattct atttaattgc tttgagccag acaggctgtt ttctttacca tgaaatatac 780 taatcattca aaaaagcctt gtgtttaaga agacagcaaa aaacatcact tcaaaaaggc 840 aacttttttt ttttcttggc atcaatgaat atgcacttca gaaatctaca gagaactttt 900 ttcactttgt atttgttcca cagcattcta gccaggagta caaaatagga qctcttcaag 960 cagcacatga agatggccca ggagccttca gccatccaga gcagcagagc agcacctaaa 1020 tetecacaca etteccagta taaccactaa gaacacacta gaccettgge attaggggat 1080 ttatcatttc cagttctatt atctgggaat gactccaagg gtttgtgaca agcttttgaa 1140 acgtaagtgc taagacgagt gtggacaagt cactgagcta atgaagaata gacccactgt 1200 ctgcttggct ctgctatttt gtacctgtct tcacatgtgg ggaaacttca taactgtgcc 1260 cacaaatcag agaaattcgc aaaggactag acaatgtatt gcctgtgaac ttcagaggca 1320 actggaaata gtgcaactgg aaatcaacta gcttcataca taggcggatt tgtttccagg 1380 gaccaaaagc acagaagata agaaaacttt tcaggtgatg gccatattct catcatatcc 1440 tetetgtgtg gagtetgeet gttgteacaa aaacettgae cetacateaa gttacaceet 1500 taacaaaggg aagatacagg catccagata aaaggtactt gtttgaaagg cagcccataa 1560 gggagaactg aacttaaaaa aaaaa 1585

```
<210> 7342
<211> 1663
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (93)...(1063)
<223> similar to gi30219 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7342
cccacgcgtc cgcggacgcg tgggggggg tgtaggaagg aaagcccagg acctccggag
                                                                     60
cagagcacag cagctgcaga ggcaaggcca gcatgtcgcc caacttcaaa cttcagtgtc
                                                                    120
acttcattct catcttcctg acggctctaa gaggggaaag ccggtaccta gagctgaggg
                                                                    180
aageggegga ctacgateet tteetgetet teagegeeaa cetgaagegg gagetggetg
                                                                    240
gggagcagcc gtaccgccgc gctctgcggt gcctggacat gctgagcctc cagggccagt
                                                                    300
teacetteae egeegaeegg eegeagetge aetgegeage ettetteate agegageeeg
                                                                    360
aggagtteat taccateeac tacgaceagg tetecatega etgteaggge ggegaettee
                                                                    420
tgaaggtatt tgatggttgg attetcaagg gggagaagtt ccccagttcc caggatcatc
                                                                    480
ctctcccctc agctgagcgg tacatagatt tctgtgagag tggtcttagc aggaggagca
                                                                    540
tcagatcttc ccagaatgtg gccatgatct tcttccgagt ccatgaacca ggaaatggat
                                                                    600
tcacattaac cataaagaca gaccccaacc tctttccttg caatgtcatt tctcagactc
                                                                    660
caaatggaaa gtttaccctg gtagttccac accagcatcg aaactgcagc ttctccataa
                                                                    720
tttatcctgt ggtgatcaaa atatctgatc ttaccctggg acacgtaaat qqtcttcaqt
                                                                    780
taaagaaatc ctcagcaggt tgcgagggaa taggagactt tgtqgaqctq ctqqqaqqaa
                                                                    840
ctggattgga cccttccaag atgacgcctt tagctgatct ctgctacccc tttcatqqcc
                                                                    900
cggcccagat gaaagttggc tgtgacaaca ctgtggtgcg catggtctcc agtggaaaac
                                                                    960
acgtaaatcg tgtgactttt gagtatcgtc agctggagcc gtacgagctg gaaaacccaa
                                                                   1020
atggaaacag tatcggggaa ttctgtttgt ctggtctttg aataaccaac ccaqtqattt
                                                                   1080
acatgctgat agctaagtga gtttttaatg gccattgtgt atgattttga tgcacaacta
                                                                   1140
gttaaaagcc tttcatacca gtcagtattc ccagccttga gcgcacqcqc qcacacacac
                                                                   1200
acacacatac acacacgcat taatttttgt actttgcttc ttttatgttt gtaatctgta
                                                                   1260
aatgaacaca tggcagaaaa taacccctga ttggtaggat catagttcta aatggaaatg
                                                                   1320
tttgtaattc tttgatgtgc tacaaacctg aaactggtaa gacaagcaca aagcaacqtq
                                                                   1380
caatacaaaa atcgtatctc aagggaaaat actcaaagaa agaaaagtgg cagcacttat
                                                                   1440
attagtttta taacaggata aagtettgtg tatagcaaag tagttgcate tgtttatttt
                                                                   1500
ctatttatta ttgttacaat aggtaatagt tatagcaatt atttattgat ttgtaacaac
                                                                   1560
ttgtttttaa ccaaactttg tagcatggaa aaaattttcc atccacaaat acaaacatga
                                                                   1620
1663
```

```
<210> 7343
<211> 2712
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
```

<222> (197)...(2123) <223> similar to gi4836401 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

<400> 7343 tttgccgggt cgacgatttc gtgcgcgagg tttcaagatg gcggtagctg aggggttgac 60 cgagagaccc agttgaaggc ctttacgaag tgaaagaggc cgggagtcgc cccctacccg 120 cttctcgtag tcctgggagc acagcagaag tgtttttctt tttttaatga acaagtaaac 180 catacaaatt gtcaacatgg gacggagatc tacatcatcc accaagagtg gaaaatttat 240 gaaccccaca gaccaagccc gaaaggaagc ccggaagaga gaattaaaga agaacaaaaa 300 acagcgcatg atggttcgag ctgcagtttt aaagatgaag gatccaaaac agataatccg 360 agacatggag aaattggatg aaatggagtt taacccagtg caacagccac aattaaatga 420 gaaagtactg aaagacaagc gtaaaaagct gcgtgaaacc tttqaacgta ttctacgact 480 ctatgaaaaa gagaatccag atatttacaa agaattgaga aagctagaag tagaatatga 540 acagaagagg gctcaactta gccaatattt tgatgctgtc aagaatgctc agcatgtgga 600 agtggagagt atteetttge cagatatgee acatgeteet tecaacattt tgatecagga 660 cattccactt cctggtgccc agccaccctc tatcctaaag aaaacctcag cctatggacc 720 tccaactcgg gcaggttcta tccttcctct tcttggacat ggggttccac gtttgcccc 780 tggcagaaaa cetectggee etececetgg tecaceteet eeteaagteg tgcagatqta 840 tggccgtaaa gtgggttttg ccctagatct tccccctcgt aggcgagatg aagacatgtt 900 atatagteet gaacttgeee agegaggtea tgatgatgat gtttetagea eeagtgaaga 960 tgatggctat cctgaggaca tggatcaaga taagcatgat gacagtactg atgacagtga 1020 caccgacaaa tcagatggag aaagtgacgg ggatgaattt gtgcaccgtg ataatggtga 1080 gagagacaac aatgaagaaa agaagtcagg tctgagtgta cggtttgcag atatgcctgg 1140 aaaatcaagg aagaaaaaga agaacatgaa ggaactgact cctcttcaag ccatgatgct 1200 tcgtatggca ggtcaagaaa tccctgagga gggacgggaa gtagaggaat tttcagagga 1260 cgatgatgaa gatgattctg atgactctga agcagaaaag caatcacaaa agcagcataa 1320 agaggaatcc cattetgatg gcacatecae tgettettea cageageagg eteegeegea 1380 gtctgttcct ccttctcaga tacaagcacc tcccatgcca ggaccaccac ctcttggacc 1440 accacctget ccaccattac ggcctcctgg gccacctaca ggccttcctc ctggtccacc 1500 tecaggaget ectecattee tgagaceace tggaatgeea ggaeteegag ggeeettace 1560 ccgactttta cctccaggac caccaccagg ccgaccccct ggccctcccc caggtccacc 1620 tecaggietg ceteetggie eccetecteg tggacececa ecaaggetae etceceetge 1680 acctccaggt attcctccac ctcgtcctgg catgatgcgc ccacctttgg tgcctcccct 1740 tggacctgcc cccctgggc tgttcccacc agctcccttg ccaaaccctg gggttttaag 1800 tgccccaccc aacttgattc agcgacccaa ggcggatgat acaagtgcag ccaccattga 1860 gaagaaagcc acagcaacca tcagtgccaa gccacagatc actaatccca aggcagagat 1920 tactcgattt gtgcccactg cactgagagt acgtcgggag aataaagggg ctactgctgc 1980 tececaaaga aagteagagg atgattetge tgtgeetett geeaaageag cacceaaate 2040 tggtccttct gttcctgtct cagtacaaac taaggatgat gtctatgagg ctttcatgaa 2100 agagatggaa gggctactgt gacagctttt gatgccagaa aaggcttctg ttcacaacag 2160 tggcccatgg agaaagaggc tcttattaaa cttagatgaa agagctgctt ccattgtcag 2220 ggtattttct aatttcagtt caaggaatat cctaaaattt agccttgttc agaatttact 2280 gcacataaaa aagggtattt catccagaat agatcagtta ttgaagcagt gctgctaaca 2340 tocattecet tteataceae catttteace etgtttette ecetecteca gttetttgga 2400 aatttgtgat cgggggatct tagttgctta tttgttttga ctcttgtgtg ctgtgggcac 2460 tggagtagag atttctggag aaaaaaaac agtttatttc atcttgcctt ttgtgtttga 2520 gttattttta atattttcct gtaaatattt tgtaatattt tacttgtaat gaaatggatc 2580 acaatgtcat ttcctaatac aaggcaggat atgtgggaag aatatgtaca attatttgat 2640 taaaattatt tcccactgac ctaaactttc agtgatttgt gggaaaaata aataaatgtt 2700 ctacaccaag at 2712

```
<210> 7344
<211> 1776
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1777)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (65)...(1727)
<223> similar to gi307085 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7344 gcctgagtgc cacagccagg gcctctgctc tgtacacaga ccgggcaagg tcccccaggc 60 caggatgtca ggcctggtgt tggggcagcg ggatgagcct gcaggccacc ggctcagcca 120 agaggagate etggggagea caeggetggt cagecaaggg etagaggeee taegeagtga 180 acaccaggec gtgctgcaaa gcctgtccca gaccattgag tgtctgcagc agggaggcca 240 tgaggaaggg ctggtgcatg agaaggcccg gcagcttcgc cgttctatgg aaaacattga 300 gctcgggctg agtgaggccc aggtgatgct ggctctagcc agccacctga gcacagtgga 360 gtcggagaaa cagaagctgc gggctcaggt gcggcggcta tgccaggaga accagtggct 420 gegggatgag etggetggea eccageageg getacagege agtgaacagg etgtggetea 480 gctggaggag gaaaagaagc acctggagtt cctggggcag ctgcggcagt atgatgagga 540 600 tggacatacc tcggaggaga aagaaggcga tgccaccaag gattccctgg atgacctctt tectaatgag gaggaagagg accecageaa tggettgtee egtggteaag gtgetacage 660 ageteageag ggtggatatg agateeeage aaggttgegg aegttgeaea aeetggtgat 720 ccagtacgca gcccaaggtc gctatgaggt ggccgtgcca ctctgtaagc aggcactaga 780 ggacetggag egcacateag geegtggeea eeetgatgte geeaceatge teaacateet 840 tgctttggtg tatcgtgacc agaataagta taaggaagct gcccacctgc tgaatgatgc 900 cettageate egggagagea cettgggace tgaceateet getgtggetg ceacacteaa 960 caatttggct gtgctctatg gcaaaagggg caagtacaag gaggcagagc ctctgtgcca 1020 gegggeactg gagattegag aaaaggteet gggeacgaat catecagatg tggeaaaaca 1080 gctgaacaac ctggccctct tgtgccaaaa ccagggcaag tatgaggccg tggaacgcta 1140 ctaccagcga gcactggcca tctacgaggg gcagctgggg ccggacaacc ctaatgtagc 1200 ccggaccaag aacaacctgg cttcctgtta cctgaaacag ggcaaatatg ctgaggctga 1260 gacactatac aaagagatcc tgacccgtgc ccatgtacag gagtttgggt ctgtggatga 1320 tgaccacaag cccatctgga tgcatgcaga ggagcgggag gaaatgagca aaagccggca 1380 ccatgagggt gggacaccct atgctgagta tggaggctgg tacaaggcct gcaaagtgag 1440 cagececaca gtgaacacta etetgagaaa eetgggaget etgtatagge geeagggaaa 1500 getggagget getgagacee tggaggaatg tgeeetgegg teeeggagae agggeaetga 1560 ccctatcage cagacgaagg tggcagagct gcttggggag agtgatggta gaaggacctc 1620 ccaggagggc cctggagaca gtgtgaaatt cgagggaggt gaagatgctt ctgtggctgt 1680 ggagtggtcc ggggatggca gtgggaccct gcagaggagt ggctctcttg gcaagatccg 1740 ggatgtgctc cgcagatnca gtgaactctt tgtgag 1776

```
<210> 7345
<211> 1588
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (1589)
<223> n = a,t,c or g

<220>
<221> misc_feature
<223> in = a,t,c or g
<220>
<221> misc_feature
<221> misc_feature
<221> misc_feature
<221> misc_feature
<222> (1200) ... (761)
<223> similar to gi1208729 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7345 60 tttttttttt ttgcatttca aatattttaa tagttttatt tcgcaaagag aagcctaaga 120 attitttaa aaacatticc agagagaaca cittatacca taaaataaac tigtataatt 180 tgggaggaca aatcatctca aatgtatatt tttgaattat gtgccaattt tataattagt 240 acaaaaatga cagctgaaat attttaaaaaa tgtaaaaaacc agtccaggca acataactat 300 accatcttgc tgtaaaagta cttatatcga attccgcaca aaatattttt gcaatatgct aaatttagtt cttcaagtca ctcttcactg ccggctggct tttccatttt ctgttgtctc 360 catcccattt tcctctttaa gatgttgata tagttcagct ctgttattaa cagagttcaa 420 480 acqtccaqca aattcctgat gttttctgga attggcagta ttgattctat tactccacaa qqataataac qacactqqcc cttttgattt ttccacttgt ggagtttcat ccatttcaac 540 aaggggtttt ttgtttggag gttctgggga atcaggcgaa tcttttataa tctcagcttc 600 agccaattct tcttttccac gctctaagat tccttttaat ctctctgagt cttgccaaga 660 cttttcctqt tcataatctt tcactqcttt ctctqacttq tcctctttgt cttccctctt 720 tetteetegt ttetttegtt etteetette tgggggtttg etcetgeatg ceateagaca 780 ttccaagact ctttgatgtt tctctgagtt gttgatatgg gctctgacaa gggtttctaa 840 ttcattccac atgatacggt attgttcatc tcttttaggg ccctttcctc ttgtaccaac 900 tgtggaaata ggtagaggat cattttttct ttccatatca actaagttgt atattgtttt 960 ttgacagttt aacacatctt cttctgtcag agattctttc acaataacac tggctaatgg 1020 aactaccgct tgcatgttaa aaatggtggt ttgtgaaatg atcataggcc agtaacgggt 1080 atgtttttct aactgatctt ttgctcgttc caaagggacc tcaagacttc catcgatttt 1140 atatctgggg tctagaaaag gagttaatct gttttccctc ataaattcac caaaatccta 1200 atgataacca aataagataa aattagaaac tatgtctaat gtttcagtat ggattacatg 1260 tactaqtctq tttccctqat qtcttctqtc ctqtqatqtq caacaaaaca tttttctaa 1320 cagtatecet taactecact actttttat cetttetgaa ettgaaacet atcageettt 1380 atatgatgaa aatgaagaaa gcctcaaaca taaatgcatt catggtatgt tttccccacc 1440 ttttgtaaaa accaaggaac acttttttc cccttctgta atttaacttt tctatcacac 1500 acagataaaa gagtcagtta atcacattag aagacccatt tgcttatata aaaactacat 1560 1588 tgagcgnacg cgtgggcgga cgcgtggg

```
<210> 7346
<211> 1213
<212> DNA
<213> Homo sapiens
```

```
<223> similar to gi5639823 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7346
accectecat ttetegecat ggeecetgea etgeteetga tecetgetge cetegectet
                                                                       60
ttcatcctgg cctttggcac cggagtggag ttcgtgcgct ttacctccct tcggccactt
                                                                      120
cttggaggga tcccggagtc tggtggtccg gatgcccgcc agggatggct ggctgccctg
                                                                      180
caggacegea geateettge eeceetggea tgggatetgg ggeteetget tetatttgtt
                                                                      240
qqqcaqcaca qcctcatqqc aqctqaaaqa qtqaaqqcat qqacatcccq qtactttqqq
                                                                      300
gteetteaga ggteaetgta tgtggeetge aetgeeetgg eettgeaget ggtgatgegg
                                                                      360
tactgggagc ccatacccaa aggccctgtg ttgtgggagg ctcgggctga gccatgggcc
                                                                      420
acctgggtgc cgctcctctg ctttgtgctc catgtcatct cctggctcct catctttagc
                                                                      480
atcetteteg tetttgacta tgetgagete atgggeetea aacaggtata etaccatgtg
                                                                      540
ctggggctgg gcgagcctct ggccctgaag tctccccggg ctctcagact cttctcccac
                                                                      600
                                                                      660
etgegecace cagtgtgtgt ggagetgetg acagtgetgt gggtggtgee taccetggge
acggaccgtc tectecttge ttteeteett accetetace tgggeetgge teacgggett
                                                                      720
gatcagcaag accteegeta ceteegggee cagetacaaa gaaaacteea cetgetetet
                                                                      780
eggeeceagg atggggagge agagtgagga geteactetg gttacaagee etgttettee
                                                                      840
teteceactg aattetaaat eettaacate caggeeetgg etgetteatg ceagaggee
                                                                      900
aaatccatgg actgaaggag atgccccttc tactacttga gactttattc tctgggtcca
                                                                      960
getecatace etaaattetg agttteagee aetgaaetee aaggteeact tetaaecaga
                                                                     1020
aaggaagagt ggggtatgga agtcatctgc cccttcactg ttgagagcat gacactcttc
                                                                     1080
ccctcaacag cctccctgag aagaaaggga tctgcccggg ccagtccctg ggaatatgaa
                                                                     1140
attgcactgg ggcgaagggg gtccctttta gacggcggcg ttacccccag agggggtcca
                                                                     1200
cggttgcaag tag
                                                                     1213
     <210> 7347
     <211> 971
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (242)...(451)
     <223> similar to gi2392823 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 7347
aagggggaag ccaggggccc atttgggggc ccagcccca atcccaccca gcagaggaag
                                                                       60
ccaaggtcgg ggcagctgtg attgctccct ggtcctggag aggaaactgg ccatctgctt
                                                                      120
tatctgaaga ttttcagctg atgaagaact aggaggctca aacactatct tacctgaqtc
                                                                      180
caggacaagt gacttggaga gtgtgctctt ctgtggcagg atcaggtctg tctagggcag
                                                                      240
gatggcccag gatctcagcg agaaggacct gttgaagatg gaggtggagc agctgaagaa
                                                                      300
agaagtgaaa aacacaagaa ttccgatttc caaagcggga aaggaaatca aggaqtacqt
                                                                      360
```

<220>

<221> misc_feature <222> (22)...(806)

```
ggaggcccaa gcaggaaacg atcetttet caaaggcate cetgaggaca agaateeett
                                                               420
                                                               480
ccctcttcag ccaagcccaa gtctcctaga cccccaggga gccagtgaac tgtcaccttc
                                                               540
tetteateac agaatgagta aagateeetg aacaaatgea ttgtgaacce atteceeact
                                                               600
                                                               660
cccaccttca actetttet cccattattt cetecacctg etgggtetet getgacettg
ctgggaacac tctgaggaca gtgtggctgg ccgagcggtt ggccccatgg gtggtggggt
                                                               720
gtgagaagcc tgcaataccc caagacccca gaggacagtc cttaggaagc acttacacca
                                                               780
                                                               840
cctgggaacc cctccgtctt ttccctctac tctcatccta ggaataaagc atttccacgc
                                                               900
cagagtagtt tgggctgggg gccagggttg ggtggtcctg tccctccata tcatgtccta
ccctatggtc ctgttcctag tcatttagat caccccagat ggcctgatga caacaagagt
                                                               960
                                                               971
ttgtgaagtt a
```

```
<210> 7348
<211> 2683
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (59)...(711)
<223> similar to gi2804584 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7348 cccacgcgtc cgcgcacgct tggtgcgtgc gcggcgactg cgacgggcag tggcagtcat 60 ggeggeteag tgegtgaggt tggeggggg cagtetteet getttggegt tgteteteag 120 gccatctccc cggttgttgt gcacagccac gaaacaaaag aacagtggcc agaacctgga 180 agaggacatg ggtcagagtg aacagaaggc agatcctcct gctacagaga agaccctcct 240 ggaagagaag gtcaagttgg aggaacagct gaaggagact gtggaaaaat ataaacgagc 300 360 tttggcagac actgagaact tacggcagag gagccagaaa ttggtggagg aggcaaaatt 420 atacggcatt caagcettet gcaaggactt gttggaggtg gcagacgtte tggagaagge 480 aacacagtgt gttccaaaag aagaaattaa agacgataac cctcacctga agaacctcta 540 tgaggggctg gtcatgactg aagtccagat ccagaaggtg ttcacaaagc atggcttgct 600 caagttgaac cctqtcqqaq ccaaqttcqa cccttatgaa catqagqcct tgttccacac 660 accggttgag gggaaggagc caggcacagt ggccctagtt agcaaagtgg ggtacaagct 720 gcatgggcgc actctgagac ccgccctggt gggggtggtg aaggaagctt agctgctgtt 780 gatggggtgg gtgtttttaa actcacttga tgtaactctc aaggctggtt cattgtttct 840 catctatgag tacgtgtgac cttttcccaa accttattgg aaaccttaag taaccagtgg 900 ctaaacagaa aagccggttg cccaactgca ttaatgaact ctaattcggg agtctgttcc 960 cttttagtgc cacgcgttga atagttccac atactttcag aagagctcag cagggccctg 1020 cetggtetee egageateat gagtaaegtg tetgeteaga etetgetgae accaaagtat tttaaacaaa taaaaggtet tggggaatte tgtttggeta cetgggeaeg ceagtetgea 1080 1140 ccatgtgtcc ctgcggcgca tgagtgactg gcgtatttag cccgtcacat ttcattcgct 1200 gaaggaaagg caagagagtt gaaacatttt tcttacttaa aaaaaatgat ctttgtgaag 1260 aacatagtga gttcgtttgt cttcagtcaa cagcggctga aactgaccac tgagaaatgg gtgtgggcac tgacagttct cccccattat ttggccagga attgagcttg gcttggcaaa 1320 gttcctttta ccctgttctg ttcatctaaa tgcagacata tttaaatcat attcaactag 1380 ttactaatga cctcaagttg tattccctgg caaaatggac tttctcaaaa taggactgca 1440 cgcttggtgt actttaaatg ttaatgttta atttaaaatt tttatttaag aggattaaag 1500 ccctaatgtt tattttccta ctttctgaaa acaattttgt gtcctctcat ggagatcctt 1560

```
gccgctgagg caagcatggc ttagccttcc cattetetac tccagcccag aagctgtcag
                                                                     1620
cttqacacqt qcgtgcgtgc acattcacgt acacacatat acaggcttct acacagaaag
                                                                     1680
ggagagecae actececeag tgeagetgea gecegteegg taagaataeg aaacaeceag
                                                                     1740
gagccacagc aagggcacag gatttgcaaa atcatcttgc caaagggctg ttcctcattt
                                                                     1800
                                                                     1860
acacqqtcat ccagggctta gaaaaaggct gaatgattgg cgtctgttac aaaaaagaga
                                                                     1920
aaagaacctt tegetgeett tgettetaga atggaagata ettgtgaaag ceatttgetg
                                                                     1980
cacaggaaag atggggcagt ttatttcact tctaatttta aaagacgcaa gtaatggtcc
                                                                     2040
cataatactt catcttggga taccattccc aaacatgttc cacctttaag atgccttaag
                                                                     2100
ttaatttggt cagaaacaac taaaggcagc atcgtgtatt ggagaaaaca tgactgggag
                                                                     2160
ctccagcgct gcctgttttc acgctgtggg gttgtgagtg catcatcacc cctggagctc
                                                                     2220
ccqaqttaaa tggaqqctaa gaaaagtaat ttatcaactc atttctgtga atgtttgcag
                                                                     2280
tetectaceg teteaactac agetgeagtt getaaaaage aettaacteg taacetagag
                                                                     2340
gcaatatagc ttaagtagca aaatattttt ttacagtaag cttcagtcat ccatagtcac
tataagttgg ttatcatctg aaatggttag aaccagaatt gtttcaaact tggggggttt
                                                                     2400
toggattttg gaatatagtc aagcatggct taaccacagg gatgtgttct gagaaatgcg
                                                                     2460
ctgtcaggca gtttttcctg tgaacaccat gtgtacctac atggacctaa aaaacaggtg
                                                                     2520
gtggagcctc ctccacacct aggctatatg gtgtatgtag cctgttgctc tagactggag
                                                                     2580
ggcacgttac tgtactgata ctgtaggcaa ctgttaacac aatggtatct gtgtatctga
                                                                     2640
                                                                     2683
acataacata gtaaaggtac agtgcaaact gtgaaaaaaa aaa
```

```
<210> 7349
<211> 1260
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (131)...(977)
<223> similar to gi29794 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7349 cccacgcgtc cgctttctct ctcaqctctc cqtctctctt tctctctcaq cctctttctt 60 tetecetgte tececeactg teageacete ttetgtgtgg tgagtggace gettacecea 120 ctaggtgaag atgtcagccc aggagagctg cctcagcctc atcaagtact tcctcttcgt 180 tttcaacctc ttcttcttcg tcctcggcag cctgatcttc tgcttcggca tctggatcct 240 categacaag accagetteg tgteetttgt gggettggee ttegtgeete tgeagatetg 300 gtccaaagtc ctggccatct caggaatctt caccatgggc atcgccctcc tgggttgtgt 360 gggggccctc aaggagctcc gctgcctcct gggcctgtat tttgggatgc tgctgctcct 420 gtttgccaca cagatcaccc tgggaatcct catctccact cagcgggccc agctggagcg 480 aagettgegg gaegtegtaa agaaaaceat eeaaaagtae ggeaceaace eegaggagae 540 cgcggccgag gagagctggg actatgtgca gttccagctg cgctgctgcg gctggcacta 600 cccgcaggac tggttccaag tcctcatcct gagaggtaac gggtcggagg cgcaccgcgt 660 gecetgetee tgetacaact tgteggegae caacgaetee acaatectag ataaggtgat 720 cttgccccag ctcagcaggc ttggacacct ggcgcggtcc agacacaqtq caqacatctq 780 egetgteect geagagagee acatetaceg egagggetge gegeagggee tecagaagtg 840 gctgcacaac aaccttattt ccatagtggg catttgcctg ggcgtcggcc tactcgagct 900 egggtteatg acgetetega tatteetgtg cagaaacetg gaccaegtet acaacegget 960 cgctcgatac cgttaggccc cgcctcccc aaagtcccgc cccgcccccg tcacgtgcgc 1020 tgggcacttc cctgctgcct gtaaatattt gtttaatccc cagttcgcct ggagccctcc 1080

```
<210> 7350
<211> 1682
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (173)...(838)
<223> similar to gill54901 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7350 ggcaagatgg cgcttgccga gtgattctcc tcgaatacct cctgccggcg cggagacacc 60 ggggggggg teetgeegea actaceteee tteeteetet eeeeegeeee eggageette 120 atectteeet teeceecea eetegagggg egggeetggt teeegggaca eeatgtegga 180 ctctgaggag gagagccagg accggcaact gaaaatcgtc gtgctggggg acggcgcctc 240 cgggaagacc tccttaacta cgtgttttgc tcaagaaact tttgggaaac agtacaaaca 300 aactatagga ctggatttct ttttgagaag gataacattg ccaggaaact tgaatgttac 360 ccttcaaatt tgggatatag gagggcagac aataggaggc aaaatgttgg ataaatatat 420 ctatggagca cagggagtcc tcttggtata tgatattaca aattatcaaa gctttgagaa 480 tttagaagat tggtatactg tggtgaagaa agtgagcgag gagtcagaaa ctcagccact 540 ggttgccttg gtaggcaata aaattgattt ggagcatatg cgaacaataa aacctgaaaa 600 acacttacgg ttttgccagg aaaatggttt tagtagccac tttgtctcag ccaagacagg 660 agactetgte tteetgtget tteagaaagt tgetgetgaa ateettggga teaaattaaa 720 caaagcagaa atagaacagt cacagagggt ggtgaaggca gatattgtaa actacaacca 780 ggaacctatg tcaaggactg ttaaccctcc tagaagctct atgtgtgcag ttcagtgagc 840 gcatttttct tttgtgttga tagttctggc tgcccttcac ctctgggtgg gcccgaggac 900 ttctaggaac ttgttttatc agtgaccatc tctqtaqttc agttaacact ttactcccaa 960 cttgcttcat cattgctatt gcctcacagt ggcaggcagc tccttggatt tgaaagaatt 1020 caactttggg accacact ttgaattcaa aatggaaaac ccattccctq qaattaqact 1080 getteattge aaaagaatga tgttgtttet ttgtatgtee ttgettettt ttteattgat 1140 gtaaattttt ttaacttaat atgaaaactc tccaagtctt gatcatcagc caggattttg 1200 ccacagcaat ttcattctct tatcggaact tgtatgtgtc aaagtatact tcagagtgca 1260 aacattaagc aagtaatata ttttacctac agatacttat gaagacattc tttcgctatc 1320 gtgagtaaaa gtatataaag ctgtttctaa ctgaaaatgc ttgaaataag cctqtaatag 1380 aaatattttt tcatttttta aaaaagggcc taaattgttt atattgtagt ttgtaactca 1440 caaagtaata tttgatattg tatttttatt actgtatcgt tgtcgttatg tattgtgtaa 1500 tactcaggtt tgaaggcttt ctgaattctg ataaatgttc agctgatgct ccacgtggaa 1560 tttctcttgc aaactgcata agagtactcc cgagaatgag ttatgacatt qtqqatccaq 1620 actgtacctg gatgttcaga tgtttttctt tcacaaataa acttatttaa attaaaaaaa 1680 1682

```
<210> 7351
<211> 6911
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6651)...(3898)
<223> similar to gi2224641 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7351

ttttttttt ttaacttttt ttctctttta ttgccaagtt taaatttaca aggaagttcc 60 agttttcatt tccaccctcg tgttcagtac ccacgaagca tgagtcatgc tgggcgaaag 120 caggtacttc cctagagcgg tccccgaggc cccagaggcc accgaggttt tcctaaccc 180 teggtteete aetgggacaa aaattatttt acattatttt tageteaagg aaacataagg 240 aactccgtaa cagtgtaggc cccaatgtca aagttgacta acattaaatg cttcatgatt 300 tatttattgg catctaggac aaggaagatc aaaatcaggt tcaccccacg cgctttttta 360 aaaaacgggt gcatctcagg ggaccttagg agggaattta ggcgcgttct gggcaggggc 420 ttgcggtttc tgtcacctgc cccttaggtt gcttgtgaac gcaagtgtct gggttgtggg 480 aggctgccaa ggctccggga gagggactgg gctgggacag cggcagagga ggggctgctc 540 acggaggece etectoccaa teccaegega tggtgaagge tggecettee tgeetggggg 600 agegeeteag etggeeceat etgacetget gggacaggta cettgeaegt ecagaaaggg 660 acgagcacac ctccacaaca atattcaaag ccaaggtttg ggagttcctg cggccagccc 720 tgctccctga cttggcaaac ccagccggag gtgcacaggg gaagggtgga ccagggcctg 780 ggccataact ctaagtgctc tctgcaggga cttggggggc gggccggatg ggtctgtggg 840 ggctgacctc agacctctga ggctatgacc,tgagtgtcag aagccacagc ccccactgtg 900 ggccttccca cactcctggc tcttcctctg gatgccaggg gcccagcgtg tcctgtctgg 960 actggcctgt ctgggagcgc cccagctatg aggtttgacg ggagctcctg aagacatagc 1020 tgtgcccact gccgctgaga cctgggtgag gtggggtcct ttgaagccaa aatggctggt 1080 ggcctccaat gggctggctc ccagacctcc ttacataagc aaagcttctg ggagccctgg 1140 ttataggaaa tcctcacccc acacacctgg aggtgtcccc cagacgcaag ttgccagccc 1200 cagctgaaag aggcccctga gagtgaccct gcaagcccac atggggactg cccttttctt 1260 ggccagggat gcagggtaga agccctgccc tgagcagtgt cttttatcct ccgctggtcc 1320 teccagteae etttaateet etgetggtee tecegggeat getgtecage eetgaceaag 1380 acctetetee tteagtgete agtggttaca agaccagttg gageccagag acttetgaca 1440 gcaggctggt ggcccacccg tgtggcatgg agtgagctgc aggctgttcc tcctggtcac 1500 gccttggggt ggggcagcca cttgccttct ctagtttctg ctgccccaca gacagagtca 1560 tttcaaaacc agaagtgcat gtctcagggg ctagccatct ccagccaggg ccagcttgat 1620 cctctctacc cctcttgctc ttaaaaaatt aagcaacaca caggctgcct gctgggtgtg 1680 gegtgteeeg teteetgatg etgtggteet teteteeatg atggtettee eecegeteea 1740 ccctgccttc cttctctcc agggattctg cagatggcca cggtggtcgt ggtttgtcct 1800 teetttgggt ttetgeecat gtggeecect ttetgagetg tgegttttet etatggaage 1860 aaaggteett gtacetgeag eeatgaagge tgggtgggea cagetaceca gagggettet 1920 aaggactgag geetgteece atgggegeea eteceeetee ttggcaggae tgtgttteet 1980 tcatgaggtt gaaaactgcc ctcggcaggc cttgccggga cagctggctg ggccgaggag 2040 acagagacca tgttcttcta aaatgcaggt ggcaaaagat ctcagcgcgg ctcccgagac 2100 taccetatgg ceaggeteeg geggataeet aatgeceetg gtgggeaeat etgetggeag 2160 gtctggagga aagttgtgga aggtctcacc agtgaccaga gaggtgaggg gccgctggcc 2220 ctggtggact tggggagggt ggatcacggc ctgggctgtg agtgctgtgt ctggctcccg 2280 agctggccga gtagaaagga acatcttggg ggctgtgtct gatgcatctg ggtccttgct 2340 tgtacacacc cagtccgaat ggggaaggga accatggggt ttccatattc agatcagcag 2400 cagtagcaga gggagagtga cagactcaga gctctgggga caccatgccc ttgcagctgg 2460 aggggaactg gctctgggcc atctctcggc acatgtgggc acacacagtc gagggcaggt 2520

```
2580
gacgtagagg gtgtcttcct ttgatttcca tcatggccac agggtcggga gtcttcacgg
tcccaactgg ttccttctta gagatggtaa cactgaagaa ggtgctggaa gctgtctctg
                                                                     2640
                                                                     2700
tttggttttg gtgaagagaa atgaggaagc gtcctgagtg gggagctggc tacattcctc
cttttcctgg agaaatcttt ccatgatggg aggcctctcg gctgctatag cagaaaacca
                                                                     2760
ttcagccctc tcagctctgt gtgtacctga gaatacatgt atctcccttg tttttgttta
                                                                     2820
aaaaataatc caaactttcc aggaaggtac ttcattattc cacaggcttg cagagttagt
                                                                     2880
gagtaacaaa gaatcactta aataaatgga aaaagccaca ctaagaactc tgaaacaaaa
                                                                     2940
                                                                     3000
tatcaggaaa ggtccagtga aaatgatcat gaaatcttaa ctgttattat tacacttttc
                                                                     3060
acatgacatc aaaccttagt gttgatgttt ttggacttct tttaaataga agttttaaaa
ataaatgttc acctgctgcc aaaagcggaa ataaatatcc aaaggagatg tttatctaag
                                                                     3120
tetgetttte tacaaattte tacgtacagt gacetggtee aattettetg tgcacaetgg
                                                                     3180
                                                                     3240
ggctggtgac agaggagcca tatgacagag gaagaaagag gtgccggtgg gtcctgccac
                                                                     3300
ccggggctca gagacacgga gcccaggcag ctccctgagt ggccggtgca gtcatctgca
                                                                     3360
ttegeegegg tgteteeget ggteeeagee tgeaegtgaa gagatgeaaa gtgaaaaagg
                                                                     3420
aattcaagga caacgtgggg cttcttccca ttcaagggag cgcagggata ggtggttgag
                                                                     3480
atggctgctg ggggccgcac agaatggtgg gtgctcccag tgtgtcttgc cagtcagcgg
                                                                     3540
cactggggtc cctaccagcg gggccacaca cacaaaggga ggccccggca ctgactcagt
                                                                     3600
cctcagcggt gcccacaggc tcagcacatg cagcctcttc gcccacgggc tctgtgcagg
                                                                     3660
eggcageegg egtggacage gggggcatge eggtgagget geggaggetg tgggggtcaa
                                                                     3720
ctggggggac aagggtcagg gaaatggtgg gctgccgggc agggacgagg ctgggggaca
                                                                     3780
ggctggctgt ctccacggct gcgctcctgg ccacgttctt gctgggctta gagtctgctt
                                                                     3840
ccgtttcgtt gacgattacc aactggtcag gaaggtgagg cttaggcagt tctggactca
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tgggggcatc tgaattgact gtgcgtgagg tgccgtggca gctgccgttc ggagcactaa
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acccagtggc cgccatgact gtcggcctcc gacaggctga acactcgtcg gcgtcctttc
etgecactee tgactgetgg actetggget gtggagggg tggaggacga getggtgeet
                                                                     4020
                                                                     4080
ccagagtege agtggetggt getecegetg cegetgggge tecegetgge ggagggtggg
                                                                     4140
gactgtgagg acagggacgg ggagctgtgc tcgtttatgc actgggccac ggcgaagcct
ggcaccttgt ccaccgatgc aaacacggag cgctgcactg tggggtcgct gctgccccgg
                                                                     4200
cgcccctggt cgtagaagcg gaaaggcagg tgctgagtgg aggtggagga gccgagtcca
                                                                     4260
aaccccagga cttcagtggt gggctggatt gggaggtcca ggagggcagc tattctctgc
                                                                     4320
atcttcatgc gccttgcctg gatgcggcct ttggccaggc gctgcttggc gatgatgcag
                                                                     4380
cggatgtggt ctgagaagat gaaggtggcc tggaggatgg ggaagggctt ggaatgggg
                                                                     4440
ctggacgcag gcttgtggat ggtgatgttc agggcacggc tgtcgtcctc cacgccagtc
                                                                     4500
acctgcatgt cctgcaatag gcctgcaaac ttgaccactc cccagccaag cctggacaca
                                                                     4560
teaggeteea ceaaacteat etggtaaata teeacageea gggategetg gaccatgeeg
                                                                     4620
ccatccttgg tgatcactgt acatgcaatc aagtcgctgt tattcagatc caggacatca
                                                                     4680
teagtettga teaggteete eteeegagte ageggeaaet gtgteteagg eteeeetege
                                                                     4740
                                                                     4800
aattgcagtg acagggaacg cagcatgaag aacacccgga tggcccgccg ggtcttctcc
                                                                     4860
acategecae aeggeageeg etteaegaag teaatgeeeg teagtggegt geetgttggg
                                                                     4920
ggcagcagga tggaggcgtc catcatgaga tattccacgt tcatgggctt cattgtcatg
                                                                     4980
ctcctatact catcttcaaa catgtccaaa aaaatgtctt ctcccttata aaaatgtcgt
acaaggtgaa cactttette tetegeacce teeaggeagg ceaggtgeac gteetteatg
                                                                     5040
atgcagccag cactcatcag gacttgctgc ttcagaagca ggcagctcag ctccagcgtc
                                                                     5100
gccagccgga tcttcccatc tggctgggca gcgttgttca tgatcctgat gagtctttca
                                                                     5160
gctagcgggt ggttgtaggt ggtcttctcg gccgcatttg gcacggggag ctggattcgc
                                                                     5220
tctaattttt caggatccat gcctttatta tgagacatgg catagaggag gcagagcacg
                                                                     5280
aacagggcat ggtaatcatc atccgggctg tccagcgcgt ggtacaccat atccaggaag
                                                                     5340
ggtctgctcc attgcgtgct ctcagagcag gtggcggcgg cgcttttctc ctcgtccgtg
                                                                     5400
gtgttetget cetgeacgga ggtgetggeg gecagetetg agagettget acgetecatg
                                                                     5460
atcaccatct cgatctcttc actctcccca ctcgtcttga tgccttttga accaccctct
                                                                     5520
gtacetttag cettetegge gtettettgg geateetegg tgggeeettt eteeteatet
                                                                     5580
tettettece caacgttttt gtagttgggt etettttgea ecegectett gecettgtge
                                                                     5640
                                                                     5700
ttgttcatct caagggaccg ctcgagtgtc tcggtgggtt taatgaagca ccgaatgctg
ggcttggcag aacttctctg aatatcctgt tcagtcttag cgtacatctc agacagatca
                                                                     5760
ccattcagaa tgacttcagc taacgagttc accagcggtg catgatgtat aattaagaag
                                                                     5820
acctgtgaca gaagataaag agacaccggc aggctaattt tcggccgttc tcctcccttg
                                                                     5880
tectggttet ccagtgagta cacgtagagg ggeaggaaga geetgttgag caggtggtea
                                                                     5940
```

```
gtgagcacat cgttgaggaa ctcacagttg atgatcagga tgtcattgag atagtgcagg
                                                                     6000
                                                                     6060
tggtctaggt gctctgccac cagatcactc agtttacccc gattccgatg ctcctcatca
                                                                     6120
gtctgcacgc agtcatcgag ttcgatcaca tggctcccaa tgaaccagac caaattggag
                                                                     6180
aagtaaggaa cagcagtttt atctcggatg tagtgcagca tggcctggtt atccaatgac
                                                                     6240
actttataga cattcaaagt tatggttett acagcaatte taaccatget tteagggtgg
                                                                     6300
ttgaaaaact tgatggcttc tgtgtacagg gcaaagtcat tggtgtgctc attataaaag
aaatggacag tgtggttgtt gagttttaac gaaagtgttt tcaggaacga tatataatag
                                                                     6360
                                                                     6420
gccataatct cctcatcaga aaagtcaaat ttatgaacga tgatagaatt tacgtagtta
                                                                     6480
tttgagagca aataataaag tgaggtctcg tgactgatgt tctcaaagag gatgttcaag
gtctgcagca gctgaacgca cacgtaacgg cccgactttt gccgcaagat gttcaagaag
                                                                     6540
aaaacaaaca tattcttctc caggaagaag tcaaatacag agctgtcatt ttgatctccc
                                                                     6600
cagatcagga teteagtgat ggaacggatg gtetecacta geaggtteeg gttetgttet
                                                                     6660
                                                                     6720
gtgactgtgg tgtttttggt caaaacgtgg tacagatact tgaggtggtc caaggagtgg
                                                                     6780
atgttgeggg aagtettgee atggeeeceg eecacecage teegegageg gecaaacatg
teggeggeee egaceegtet etegteteae ggteteatge eggaceagea gageggeeea
                                                                     6840
                                                                     6900
gegecegegg eggtageaea ageggaggat geggeggegg aggeggtgga ggaacegega
                                                                     6911
gccgcacgaa a
```

```
<210> 7352
<211> 1624
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1275)...(449)
<223> similar to gi309074 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7352 ttcatttata ttctagcacc aaaatacata gattaattta tttctcattg ggactgcaac 60 ataaacaagt ataattccat ggtcaaggag ttacaaatag tagcaagccc agtaaccttg 120 agcatatcta taaggcaaat aaaacaaata tttctttcat agtgtgggca tccaacttta 180 gataatctgg aaaaaaatca ctctagcccc tgaataccat gatgtgcatg atgtgcaaaa 240 tgaaagtatc acccaaaata ttttcaaagc taaaaagaaa atatttaaat tcaaatactt 300 taaccaaatt ggaaatgcaa acagtacact tagagtcatc cttagccagc tgttctccaa 360 acaaaagatc gagaaacaaa accaagaaca aagacaatgt aaaaaagaaa aggtttatct 420 agaaaaactg gaageteate aaagteacat ttettettet gattettgtt etegtteage 480 attittcaga agtccaacti ctgaggagca gagcctctta agtctagatt taaccaacca 540 ggtaatgaaa gcataattca ttccaacgat gacaatggtt actgcataat gccaacaaaa 600 gcatatggtg agaaacaaaa tattttcatg atccatcaga tcccatgcag gacctccact 660 ggggggatac aggacaaatc caatctgaaa gaaccagctc ccctgaagca gaatgagact 720 tgaccgcaat agctccagaa gtacattgtt ccgaacaagg aactctagga aggcaacgag 780 geetgteaga aagaegaeea aaaceageag etggtgeaea aagatgteea geattteeeg 840 gccatgagtg tggttgtaga agataaaggc ctccacaaat aaggcatttg acaacattaa 900 cttggttaag gacacaggaa gtgaactgat ggtgaaacat aagatatctg ccacacccaa 960 cagcccaaag aagaaataca tggtgaaatg atgccagccc aggagttgat tccagtgacc 1020 ttgtttatag tcatataaca tcagatgggg ccctccagga ataaactgct ccccagccat 1080 gccagttaaa gccatgccaa ctattgtaat tccctccaaa atttccaatc gatagaataa 1140 tgttttggaa ccaagatagc aggttcgctt ttgctttttg cagatatact tcagaatact 1200

```
ctttgtacac caccaaagac caataataaa aaagaaggtt ccagggaggg catgacctct
                                                                    1260
                                                                     1320
gaaattcccc atgatccaac ttggtctgtt tactcaacac tttattttc ccactttgcc
                                                                    1380
agettaaaat cagacagegg etgggetttt gttgttgetg tttetgttet tttgateeca
gagececatg aaaattaaac egtgtgttgg atgggatetg gecaegtete geattgggtg
                                                                     1440
                                                                     1500
ggggggggg aatttttaaa cttgggtccc tagtcgcttc tttgggaaaa cgaataaata
ataagtggcg agaaggagag gacgtggggg acgtgctcgg ctgacgtcgg cccgcgagga
                                                                     1560
ggtcgcacag ctgtccagat gtgcttcatc tgttaccccc gcggggcact ggctcggcgg
                                                                     1620
                                                                     1624
ccgc
```

```
<210> 7353
<211> 2520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1163)...(1244)
<223> similar to gi667000 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7353 aattgtttta tttatttatt gagacaggat ctcagttatc caggccggag tacagtggca 60 caatcatage teactacage etgaaattee tgggeteaag caatceteee aceteageet 120 tectagtage tgggateaca gataagagee actgeacttg geecaaaaac atatttaaaa 180 tgttaatact ttagattggt ttcagtcatg ttatagggaa taatggaacg tatttatacc 240 agagtattaa caatgtagaa ggaccettga aacgaageca aaaagatagg agetgtggca 300 attaaggaga cttccaagaa gtctaatact aagtagggca tccctgctta atcaataaca 360 cttcatttcg tgaccatgag acaagaaaac tacagagact tcatccctaa catccttcag 420 ctccagaacc aatgccaaat cacctaactc caggttatat gacaaaaaaa aacatctgtt 480 taggacattc tttagtggga tttgtttttc tggtcacagt cacaatgacg gatttaaaaa 540 aaaaagagta teteaactte etattgggag tacatgtttt eccetgattt taaacteatg 600 ggacaaaaag aaagtgttga ctggcatctg gcaagataat taaatatctg aaacaccctg 660 aaggaaacaa agagggtact gtggtcaaga gtaaggtgga caggatacca tagaagatat 720 atccagtgta tataatgata actgctaaaa caccctcaaa actcactagc agaatgtaat 780 caagtttatt ttcttgttca aagtccaata tggatgtttt tggtcaagta gctattatgc 840 cctaaatagt aactcaggta ttcagacttc ttctatgcta tgactccatc accgtcaaaa 900 catgtgcttc aaggttacct tgaagaggaa ggaggaagag aataatggaa atggctcagc 960 caccetttaa etgeettggt etagtattga aacateaett ecacteattt tecactgttg 1020 agaactactc acataggect agatgeatgg agetgggaaa tgeagtttac etgtgteeag 1080 aaagaggaca tttgggtgag catctggcca gtttcttcca cagaagcaaa ggtaatagtg 1140 gtatgaattc aggaagatga aaatgagctc actggggaaa gagtattcaa ggaagatgga 1200 gcatgtgcaa agactctcag tagaaacagt ttggaaagct tgaggaataa aaagcaagtc 1260 tgtgtggctg gagttttgtg aaaggggagg agtgggttaa gatgcagatg gtgatggtga 1320 cggaggcctg ggcaagatca cacggggcct gaaaagtttg tcttttgttc tcgaggcagt 1380 gagaatccat tgaaggattt taagcagaga agtgacataa gctgatttac attttaaaaa 1440 gatcacatgg ctgtgtggaa aattaattgc tttagggaca cgagtagaag caattagacc 1500 accagtaagg cagttactgc aggagttggg tatcctaaaa ccagatggct ggtcagagaa 1560 ttcacctggg aaggaggatg accaggggat gaaaggttct aattactggt ctctgtgaaa 1620 agctgtagag agttttgtgc agttacataa atggttgggt ttggagctga gcggtgtctc 1680 tgccaagatc atgttgtttc ttttagaact gtgttccctt aggactggac tatattatgg 1740

```
gaacagaagc tggagcacac caataactgc agaagcagta actatttatt tggagaactc
                                                                     1800
tcaaagggat gctgaacaag catgaggcac ggataaccaa acccaatttt attcttgtct
                                                                     1860
cttaccaccc tccaaatttt attcactggg aggtactctc cctgctatgg agaaaagctg
                                                                     1920
cagcgaggtt gtgatgttct taatagatag tcctgtgatc agtttaagga acaaacataa
                                                                     1980
teteaattaa ttagaatgte taateetgtg taacaataat etgeacetgt tgeagtttta
                                                                     2040
aatccctttt tcctctcca gctctgccc agctaagtct aggagcctgc actgggaaag
                                                                     2100
ggaggagtga ttggtatgct cttccctctc ctcggctcct ctctacctaa tcactgctga
                                                                     2160
ttgctctggg cccaagtgat gaggagaggt aaacagataa atcattttgc cctgactggg
                                                                     2220
tatttctatg cactgtgggc ctgaaagata tttcctctcc cctattctca ctctcaaatg
                                                                     2280
ataaactggc ttcctgctcc cctgaaaaaa aatcaaagca atcagaaatg aacttctggg
                                                                     2340
gccctatcag gaactctgga agagggcttt cataatggag caacctctta ccactgccat
                                                                     2400
ttacctcaaa caggeeetee acattactca geaateetta eeeeeetgea ttgtgagtte
                                                                     2460
teteteatet caatageact egacagetaa caacetgeee ateeteecat aaaaaaaaaa
                                                                     2520
```

```
<210> 7354
<211> 3219
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (322)...(1597)
<223> similar to gi4336416 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 7354 gaaagaaaag ctaaacctgc aacaaagtgt tctgtgccca gaacgcggtt aggaagtgtg 60 tgcatacgtc tgaaccctaa atggttetca gttetgtaaa etteteetee caetgggtgg 120 agtacggcct ttaagagcag ctggaatgca gttcccctga tcagcgtagc cagttgttgc 180 ctgtctgaac ctctgccagt cctggagact ggtgccctga gctccaacca gcgggcctca 240 tectacacce teaccacege aactteteae eegageaaga ageageteee agagagaaag 300 aacgtteeca eetgeetage catgggagag gacgetgeae aggeegaaaa gtteeageae 360 cctgggtctg acatgcggca ggaaaagccc tcgagcccca gcccgatgcc ttcctccaca 420 ccaagececa geetgaacet agggaacaca gaggaggeea teegggaeaa etcacaggtg 480 aacgcagtca cggtgctcac gctcctggac aagctggtga acatgctaga cgctgtgcag 540 gagaaccagc acaagatgga gcagcgacag atcagtttgg agggctccgt gaagggcatc 600 cagaatgacc tcaccaagct ctccaagtac caggcctcca ccagcaacac ggtgagcaag 660 ctgctggaga agtcccgcaa ggtcagcgcc cacacgcgcg cggtcaaaga gcgcatggat 720 aggcagtgcg cacaggtgaa gcggctggag aacaaccacg cccagctcct ccgacgcaac 780 catttcaaag tgctcatctt ccaggaggaa aatgagatcc ctgccagcgt gtttgtgaaa 840 cagcccgttt ccggtgccgt ggaagggaag gaggagcttc cggatgaaaa caaatccctg 900 gaggaaaccc tgcacaccgt ggacctctcc tcagatgatg atttgcccca cgatgaggag 960 gccctggaag acagtgccga ggaaaaggtg gaagaaagta gggcagagaa aataaaaaga 1020 tccagcctga agaaagtgga tagcctcaag aaagcatttt ctcgccagaa catcgagaaa 1080 aagatgaaca agctggggac aaagatcgta tctgtagaga ggagagagaa gattaagaaa 1140 tctctcacgt caaatcacca gaaaatatcc tcaggaaaaa gctccccctt caaggtttct 1200 cccctcactt tcgggcggaa gaaagtccga gagggagaaa gccatgcaga aaatgagacc 1260 aagtcagaag acctgcctag cagtgagcag atgccaaatg accaggaaga ggagtccttt 1320 gcagagggtc attccgaagc gtccctcgcc agcgctctgg tggaagggga aattgcagag 1380 gaggctgctg agaaggcgac ctccaggggg agtaactcgg ggatggacag caacatcgac 1440

```
ttgactattg tggaagatga agaggaggag tcagtggccc tggaacaggc acagaaggta
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cgctatgagg gtagctacgc gctaacatcc gaggaggcgg agcgctccga tggggacccc
                                                                    1560
gtgcagcccg ccgtgctcca ggtgcaccag acctcctgag cttagagcca ccgtgccatc
                                                                    1620
ctgtgctgtg ctcaagcggg cagccagggc tgaagaacaa actcttgcac atctccaqca
                                                                    1680
cgactcaccc actcctgcgt tcctgtccag gcagtaatca ttgaccatat agtcatagta
                                                                    1740
agacacacga gaccaggett taccatgaaa qcqacctqtc acqqactcca cttttaattt
                                                                    1800
getettaggt tetatetetg tagaatgtet ceaagattga agaagaaget gageagttga
                                                                    1860
aaaatgctaa tctctttgac ttagtcagaa aaaaacagag gataattaag atactagtca
                                                                    1920
tgaaaagtga ttcattcttt tttgtcattc cataagcttg ctgaatagtg taccggtaat
                                                                    1980
atattgtatt tccaccgtac tctgtgaatc taattattat tctttaagtg ttgatatata
                                                                    2040
atatacataa atatgtaagc taaacatata actatatgtt ttaagaagaa aacatctacg
                                                                    2100
aaaggtaaaa agagatgatc agttggttgt ttacttgcta gaaaccattg ttttattgca
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                                                                    2280
aatgccgaaa agaatgaaaa cagagaaaaa atgtatgtgc ttgaaagtaa aatacttaca
                                                                    2340
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                                                                    2520
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                                                                    2580
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                                                                    2760
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                                                                    2820
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                                                                    2880
aacattgtac taaaatattg ctttatctgt ttttaattac aaaatgctaa tgatttctta
                                                                    2940
aattatagtt tataggacaa atgggcccag ggaagcaaat cccctgcctt tagtatgaac
                                                                    3000
cactataagt aaccttacaa atagagttaa tccaagacaa tattaacaaa ctgtgctttg
                                                                    3060
tetttaataa aagggatagg attaacaaac atattgatgg cataacetat teagetatgt
                                                                    3120
cettattttt geaataatgt aaceteaaat attggattgt tgaaceaaca atggetgtgt
                                                                    3180
taaagaagat taaataaacc gaaaaataaa aagcatgaa
                                                                    3219
```

```
<210> 7355
<211> 5054
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (604)...(2409)
<223> similar to gi4240237 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 7355
agggaattgg acagcctggc tgacttgccg gagcggatta aaccaccata tgcaaacgga 60
ctttcaacat cccatcttag gtcatcttct gtagaagatg ttaaactaat tataagcgag 120
gggagaccta ccatagaagt tcgaagatgt agcatgcctt ctgtcatttg tgaacatacc 180
aaacaattcc aaacaatatc agaagagac aatcaaggta gcttattaac tgtgccagga 240
gatactagtc cttctcccaa acctgaggta ttctcaaatg tgcctgaaag agacctttca 300
aatgtatcta acatacattc cagttttgca acttctccaa ctggagcttc aaacagcaag 360
tatgtttcag ctgatagaaa tctcatcaag aatactgccc cagtgaacac tgtaatggac 420
```